

16 frfbfg

^è"x,É 16 frfbfg, ,.Â,ìff[]f^,ð^—□,·,éfn[]fhfEfFfA,Ü,½,í\ftfgfEfFfA,ìŽd—l,ðŽw,·—
pCEè□BWindows ŠÂ««,Å" @□ì,μ'P^è,ìf[]f,š—e—Ê,ð<α—L,·,é 16

frfbfgfAfvfŠfP□[]fvf#f",ífvfCfGf"fvfefBfuf}f<f`f^fXfN□^—□,ª,Å,«,Ü,¹,ñ□B

16 frfbfg CPU ,ìff[]f^,ð 16 frfbfg,ìfOf<□[]fv'P^Ê,Å^μ,ì,é,æ,α,É 16

frfbfg"à•"fCfWfXf^,ð"à' ,μ,Ü,·□B16 frfbfgff□[]f^fofX ,í^Ü,È,éVfXfef€fRf"f[]fif"fgŠÔ,Åff□[]f^,ð

16 frfbfg,ìfOf<□[]fv'P^Ê,Å"]'—,Å,«,Ü,·□B16 frfbfgf[]f,šfAfhfCfXfofX,ª, ,é,ÆfRf"fsf...□[]f^,í 64KB
,ìf[]f,š,ð'¼□ÚfAfNfZfX,Å,«,Ü,·□B16 frfbfg,Å•\,¹,é□Å'å'l,í-ñ 64000 ,¾,© ,ç,Å,·□B

32 frfbfg

^è"x,É 32 frfbfg, ,Â,ìff□[f^,ð□^—□,·,éfn□[fhfEfffA,Ü,½,í\ftfgfEfffA,ìŽd—l,ðŽw,·—pCEé□B32 frfbfg,ìfAfvfŠfP□[fvf†f",í^è"É,É 16 frfbfg,ìfAfvfŠfP□[fvf†f",æ,è,à□^—□'—□"x,Æf□f,fŠ,ìŠÇ—□,ì"_,Å —D,è,Å,ç,Ü,·□B

32 frfbfg CPU ,ìff□[f^,ð 32 frfbfg,ìfOf<□[fv'P^Ê,Å^μ,ì,é,æ,α,É 32 frfbfg"à" fCEfWfXf^,ð"à' ,μ,Ü,·□B32 frfbfgff□[f^fofX ,í^Ü,È,éVfXfef€fRf"f□[fif"fgŠÔ,Åff□[f^,ð 32 frfbfg,ìfOf<□[fv'P^Ê,Å"]'—,Å,«,Ü,·□B32 frfbfgff□f,šfAfhfCEfXfofX,ª, ,é,ÆfRf"fsf...□[f^,í 4GB ^È□ã,ìf□f,fŠ,ð'¼□ÚfAfNfZfX,Å,«,Ü,·□B32 frfbfg,Å·\,¹,é□Å'å'l,í-ñ 4300.000 ,¾,©,ç,Å,·□B □Å<β,ì Windows ,ì,Ü,Æ,ñ,Ç,í□Å□V,ì 32 frfbfg CPU ,ðŠ^,©,¹,é 32 frfbfgfIfyfCE□[fefBf"fofVfXfef€ ,Å,·□B

fAfNfZf%ofCE[f^fL

fjf...[fRf}f"fh,ðŽÀs,·,é,½,ß,É%Ÿ,·fL[B

fAfNfZf%ofCE[f^fL[,Ífjf...[[-Ú-¼,ìCEã,ÉfjfbfR,É"ü,Á,½%°ü•t,«,ì%opŽš,Å\
,³,è,Ü,·Bfjf...[fo[,É, ,éfjf...[[-Ú,ìè±AfAfNfZf%ofCE[f^fL[,ð%Ÿ,·'O,É Alt fL[,ð
%Ÿ,·•K-v,ª, ,è,Ü,·Bfjf...[fo[.©,çhfbfvf_fEf"fjf...[.ª\Ž|,³,è,½,çAfAfNfZf
%ofCE[f^fL[,ð%Ÿ,·,¾,¯,Åfjf...[f|fvfvfj",ðŽÀs,Å,«,Ü,·B,½,Æ,|,îAAIt{F ,ð
%Ÿ,·,Æftf@fCf·fjf...[.ª\Ž|,³,è,Ü,·B,ç,Á,½,ñ,»,Ífjf...[.ª\Ž|,³,è,½,çA[i"x,í%opŽš,ì O
,ÍfL[,ð%Ÿ,·,¾,¯,ÅAf}fEfX,ÅmŠJ,(O)n,ð'l'ð,·,é,ì,Æ"-,¶CE<%Ÿ,É,È,è,Ü,·B

fAfNfefBfufEfBf“fhfE

Œ»Ÿ'ı'đ,μ,Ä,ç,éEfBf“fhfE□B,Ù,©,İEfBf“fhfE,ı'Ō-Ê,É•\
Žı,³,ê,Û,·□B'Êı□AfAfNfefBfufEfBf“fhfE,İf^fCfɡf<fo□[ı,ı,Ù,©,Æ^Ù,È,é□F (ffftfHf<fg,Å,ı□Ä)
,Û,½,ı<P“x,Å•Žı,³,ê,é,ı,ÅAfNfefBfu,Å,È,çEfBf“fhfE,ÆŒ©•ª,ª,Ä,«,Û,·□B

ANSI • ŽšfZfbfg

ANSI , í American National Standards Institute (•Ä'KŠi<|%öï) ,ì—
ª,ÅA•Ä',ì•W€<KŠi,đš'è,·,é<@ŠÖ,Ü,½,í,» ,ì<@ŠÖ,ªš'è,µ,½<KŠi,Å,·B“ú-{|,ì JIS ,É'Š“-
,µ,Ü,·BANSI •ŽšfZfbfg,ì•W€ [ASCII](#) •ŽšfZfbfg,ìã^ÊfZfbfg,Å,·B

API

Application Programming Interface ,i—ªB“Á’è,ì<@”\

,ðŽÄs,·,é,Æ,«,ÉŽg,í,ê,é<ª’Ê,ìŠÖ” ,ÆfTfuf<[f`f” ,ìW#BMicrosoft ,É,Í Windows

APIAWin32APIAOLE APIAMAPIATelephony API ,ðŠÜ,ß,Ä,ç,,Â,©,ì API ,ª, ,è,Ü,·B

fAfvfŠfP[fVf+f“fEfBf“fhfE

fAfvfŠfP[fVf+f“,ì<Æ—î^æ,Æ,μ,Ä—p^Ó,³,ê,éfEfBf“fhfE□B

fA[fjfcfu'®«

, ±, ìftf@fCf<'®«, Í'O%oñ, ÉfofbfNfAfbfv, ðïï¬, µ, Ä, ©, ç•ïX,ª, , Á, ½ftf@fCf<, ðŽˆ•É, ·, é, ½, ß, ÉŽg, í, ê, Ü, ·BfA[fjfcfu'®«, ìfrfbfg, ìftf@fCf<,ª%½, ©, ì•ù-
@, ÅC³,³, è, é, Æftf@fCf<, ìffBfCfNfgfŠfGf“fgfŠ†, Å 1 , ÉY'è,³, ê, Ü, ·BfA[fjfcfu'®«, ìfrfbfg, í 0
ftf@fCf<, ìfofbfNfAfbfv, ìïï¬-Ĉã, ÉfA[fjfcfu\ftfgfEjfA, É, æ, Á, Å 0 , É-ß, è, Ü, ·B

ASCII

American Standard Code for Information Interchange (ASCII) — p. 1

ASCII (American Standard Code for Information Interchange) is a character encoding standard. It consists of 128 unique characters, including letters, numbers, punctuation, and control characters. The standard is used for text representation in computers and communication systems.

The ASCII character set is divided into two main sections:

- Printable Characters (32-127):** These include letters (uppercase and lowercase), digits, punctuation, and symbols.
- Control Characters (0-31):** These are used for text formatting and control functions, such as carriage return, line feed, and space.

ASCII is a 7-bit encoding, meaning each character is represented by a 7-bit binary value. This allows for a total of 128 unique characters (2⁷ = 128).

fAfZf“fuf%CE¾CEè

'á...€ ,íRf“fsf... [f^fvf[]fOf%€CE¾CEè B,Ç,ì-½—B,à'P^è,ì<@ŠBCEè-½—B,É'Í
%ž,μ,Ü,·BfAfZf“fuf%CE¾CEè,Å□',ç,½fvf[]fOf%€Í C,Ü,½,Í BASIC ,É,Ç,ì□,□...€CE¾CEè,Å□',ç
,½fvf[]fOf%€ ,æ,è,à^è”É,É□, '¬,Å,·B **CPU** ,ìŽí—p,ª^Ù,É,é,Æ%žŽB,·é<@ŠBCEè-½—
B,ª^Ù,É,é,ì,Å□A1 ,Å,ì<@Ží,íRf“fsf... [f^,½,B,É□', ©,è,½fAfZf“fuf%CE¾CEè,ífvf[]fOf%€
,đ^Ù,É,é<@Ží,íRf“fsf... [f^,ŽŽÅ□s,·,é,É,ífvf[]fOf%€ ,đ□',«¼,·K—v,ª ,è,Ü,·B

"ň"~Šú

f^fCf}[][, ©,ç“Æ—š,μ,Äi□s,·,é‘€□□B,½,Æ,i,î□Af,fff€,đ’Ê,μ,Ä,ì”ň“~Šú’Ê□M,Åf,fff€,í’—
□M,²,Æ,ÌŠŽn□M□t,Æ□l—¹□M□t (fXf^□[fgfrfbfg,ÆfXfgfbfvfrfbfg) ,ÉŠî,Ä,đ
,Äff□[f^ÆđŠ·,ì•à’²,đ,Æ,è,Û,·□B

Ž“®f}fEf“fg

fffBfXfN,đ³□k,μ,½ê□#□AfffBfXfN,É“ü,Á,Ä,ç,éftf@fCf<,í^ê□□,É^3□k,³ê□u^3□kf{fŠf...
□[f€□v,ÆCEÄ,î,ê,é“Á•Ê,ì%°B,μftf@fCf<,Æ,μ,ÄŠi”[,³ê,Ü,·□B^3□kf{fŠf...□[f€,^af}fEf“fg,³ê,Ä,ç,È,ç
,Æ,«,í□A’P,ÉfzfXfgfhf%ofCfu□ă,í’ă,«,ç%°B,μftf@fCf<,Æ,μ,Ä•\Z|,³ê,Ü,·□B^3□kf{fŠf...□[f€
,^af}fEf“fg,³ê,é,Æ□AflfyfCE□[fefBf“fOjVfXfef€,í,±,ê,đ³□kfffBfXfN,Æ”FZ⁻,μ,Ä□A^{fzfXfgfhf}
%ofCfu,©,ç“Æ—š,μ,½•Ê,ìfffBfXfN,Æ,μ,Ä^μ,ç,Ü,·□B
^3□kf{fŠf...□[f€,đŽ“®“l,Éf}fEf“fg,·,é,æ,π,ÉfVfXfef€,ª□Ý’è,³ê,Ä,ç
,é□ê□#□A^3□k,³ê,½ftf□fbfs□[fffBfXfN,íŽ“®“l,É”FZ⁻,³ê□AfffBfXfNfhf
%ofCfu,É’}“ü,·,é,Æf}fEf“fg,³ê,Ü,·□B

AUTOEXEC.BAT


Windows 98/Me: fRf“fsf...[]f^,^N“®,. ,é,ÆŽ©“®“I,ÉŽÀ[]s,^,é,fRf}f“fh,^“ü,Á,Ä,ç
,é,fofbf`ftf@fCf[]B’É[]í[]AAUTOEXEC.BAT ,ifRf}f“fh,Í PATH ŠÁ««•í[]” ,đ[]Ý’è,μ[]ADOS
fvf[]f“fvfg,İŠOŠİ,đCE^’è,μ[]ATSR ,đŠjŽn,μ[]Afrf“fsf...[]f^,í<N“®Žž,ÉŽÀ[]s,μ,È, ,è,Î,È,ç,È,ç
,>,í^¼,İfvf[]fOf%of€,đŽÀ[]s,μ,Ü,·[]B


fofbfNfOf%ofEf“fh


fofbfNfOf%ofEf“fh, ÅŽÀs, 3, è, é□^—□, íftfHfAfOf%ofEf“fh, ÅŽÀs, 3, è, é□^—□, æ, è, à, á, ç”ä—|, Å [CPU](#),
, l□^—□ŽŽŠÓ, ðŽó, Žæ, è, Ü, ·□B

ffftfHf, fg, Å, íAftfHfAfOf%ofEf“fh, ÅŽÀs, 3, è, éfAfvfŠfP□[fVf#f“, íRf“fsf...□[f^, î^èŽŸf^fXfN, Å, , è□A
Žc, è, lŽÀs’t, lfAfvfŠfP□[fVf#f“, æ, è, à□, , ç”ä—|, Å [CPU](#), l□^—□ŽŽŠÓ, ðŽó, Žæ, è, Ü, ·□BfofbfNfOf
%ofEf“fh, lfAfvfŠfP□[fVf#f“, íAftfHfAfOf%ofEf“fhf^fXfN, l□^—□, î’â”•a, a—Ž, î’...,,Æ CPU
, ©, ç, »,, lfAfef“fVf#f“, ðŽó, Žæ, è, Ü, ·□B

Windows NT/2000/XP , Å, íftfHfAfOf%ofEf“fh, ÆfofbfNfOf%ofEf“fh, lf^fXfN, ÉŠ,,, è“—, Ä, é’Š’í“l, È□^—
□fAfef“fVf#f“, ð•ï□X, Å, «, Ü, ·□B

 **Windows NT:** fRf“fgf□□[f<fpf|f<, l□mfVfXfef€□n, Å□mfptfH□[f}f“fX□nfy□[fW, ð•\
Ž!, μ, Å□mfAfvfŠfP□[fVf#f“, l□^—□—D□æ“x□nfOf<□[fv, É, , éfXf%ofCf_□[, ð“®, ©, μ, Å’²□®, μ, Ü, ·□B□A

 **Windows 2000:** fRf“fgf□□[f<fpf|f<, l□mfVfXfef€□n, Å□m□Ú□x□nfy□[fW, ð•\
Ž!, μ, Å□mfptfH□[f}f“fXf|fvfVf#f“(P)□n, ðfNfŠfbfN, μ, Ü, ·□B

 **Windows XP:** fRf“fgf□□[f<fpf|f<, l□mfptfH□[f}f“fX, Æf□“fefif“fX□n, Å□mfRf“fsf...
□[f^, îŠî—{“l, È□î•ñ, ð•\Ž!, , é□n, ð’l, N□A□mfVfXfef€
, lfVf□fpfefB□nf_fCfAf□fOf{fbfNfX, Å□m□Ú□x□Y’è□nfy□[fW, ð•\
Ž!, μ, Å□A□mfptfH□[f}f“fX□nf{fbfNfX, l□m□Y’è□n, ðfNfŠfbfN, μ□A□mfptfH□[f}f“fX, lfVf□fpfefB□nf_
fCfAf□fOf{fbfNfX, l□m□Ú□x□Y’è□nfy□[fW, ð’l’ð, μ, Ü, ·□B

Šî-{"ü□o—ÍfVfXfef€

fofbf`ftf@fCf<

fIfyfCE[fefBf"fOfVfXfef€,ì 1 ,Â^Èä,lfRf}}f"fh,ð—

ñ<L,μ,½fefLfXfgftf@fCf<Bfofbf`ftf@fCf<,lfVfXfef€,É,æ,Á,Ä (AUTOEXEC.BAT ,ì,æ,α,É)

Ž©"®"l,ÉŽÀs,³,ê,é,©A,Û,½,ÍDOS fvff"fvfg,Åftf@fCf<-¼,ð"ü—

í,μ,ÄŽè"®,ÄŽÀs,μ,Û,·Bfofbf`ftf@fCf<,ðŽÀs,·,é,ÆAfRf}}f"fh,ª‡,ÉŽÀs,³,ê,Û,·BDOS

ŠÄ<<%ºº,Å,lfofbf`ftf@fCf<,É,í .BAT ,Æ,ç,αŚg'£Žq,ª•t,«,Û,·B

f{[fCE[fg

ff[f^“`‘—,ì’—“x,đ•\,·,Æ,«,ÉŽg,κ—pCEê,Å□A’Ê□í,íj,fff€,ì’—,³,đŽw,μ,Û,·□Bf{□[fCE□[fg,í 1 •b“-
,½,è,ì□M□t,ì•í%o»,ì%oñ□”,đŽw’è,μ,Û,·□B^ê”Ê,Éf{□[fCE□[fg,í bps
,ì”˘`CEê,Æ,μ,ĂŽg,í,ê,Û,·,ª□A,»,ì,æ,κ,ÉŽg,ç•û,í•s□³Šm,Å,·□B1 %oñ,ì□M□t,ì•í%o»,ª 1
frfbfg,ìff□[f^,đ•\,·,±,Æ,à, ,è,Û,·,ª□ACE»□Ý,ì□,‘—’Ê□M,Å,í 1 %oñ,ì□M□t,ì•í%o»,ì’Ê□í 1
frfbfg^Ê□ã,đ•,□t%o»,μ,Û,·□B

BBS

Bulletin Board System , ì—ª□Bf,fff€,É,æ,Á,ÄVfXfef€,É□Ú'±,µ,Ä,ç,éft□[fU□[ŠÔ,Åf□fbfZ□[fw'—
□M□A“dŽqf□□[f<□Aftf@fCf<“]’—,ª,Å,«,élf“f%ofCf“fT□[frfX□B

fxf`f}[]fN

f\ftfgfEjFfA,Ü,½,Ín[]fhfEjFfA,ì^—□'¬“x,ð'ª'è,·,éfefXfg□B

frfbfg

fofCfifŠ,Ä,Ü,è 2 i" ,ì 1 œ... ,Ä, ,è AfRf"fsf... [f^ ,Ä^— , ,é î•ñ,ð•\ ,Ä¬'P^ÊB1 frfbfg,Í 0 ,Æ
1 ,ì,Ý,ð<L%¯ , ,é 2 i-@,ÉŠî,Ä,ç,Äî•ñ,ð•\,µ,Ü,·B

BIOS

Basic Input /Output System , à—□Bf□f,fŠ□AfffBfXfNfhf%ofCfu□AfffBfXfvfCEfC,È,ÇfRf“fsf...
□[f^,ìfRf“f|□[flf“fg,ìŠÖ,Å,ì□î•ñ,ì“]’—,ðfTf]□[fg,·é,½,ß,ìf<□[f`f“,ðŠi”[·,·éfRf“fsf...
□[f^,ìfTfufVfXfef€□BPC ,ìVfXfef€ BIOS ,ì **ROM** ,ÉŠi”[,³,è,é,ì,Å ROM BIOS ,Æ,ç,ç,Ü,·□B

fufbfN

1 ,Â,î'P^Ê,Æ,μ,ÄffBfXfN,Æ,ÌŠÔ,Å“Ç,Ý□',«,³,ê,é^ê~A,iff□[f^,ì□W,Ü,è□B

fu[fgfCfR[fh

ftf[fbfs[fffBfXfN, i[Å%o, i• - [fZfNf^, Ü, ½, ífn[fhfffBfXfNfp[feBfVf#f“, i[Å%o, i~ -
[fZfNf^ [BfffBfXfN, íA[fLfefNf`ff (fZfNf^fTfCfY[AfNf%ofXf^fTfCfY, É, Ç) , ðŽ`•É, µ, Ü, ·[Bfu[fq
%oÅ“\, ÈfffBfXfN, ífu[fgfCfR[fh, É, ífífyfC[fefBf“fOfVfXfef€, ðf[fh, ·, éfu[fqfXfgf
%ofbfvf[[f_ [, à“ü, Á, Ä, ç, Ü, ·[Bfu[fgfCfR[fh, ífffBfXfN, ífu[fqfZfNf^, ÉŠi“[, , é, Ü, ·[B
, Ç, i~ - [fffBfXfN, É, à 1 , Á, ífu[fgfCfR[fh, , è[Afu[fgfCfR[fh, ífffBfXfN, i~ - [[, Æ• - [[\

- fZfNf^“- , ½, è, ífofCf []
- fNf%ofXf^ , íTfCfY (fNf%ofXf^“- , ½, è, íZfNf^ [])
- fffBfXfN [] , íZfNf^ []
- fgf%ofbfN“- , ½, è, íZfNf^ []
- fffBfXfN, í-É []
- }‘í<L []qfofCf []

fu [fgfZfNf^

fu [fgfZfNf^, ðŠi" [, ·, éfZfNf^ Bfu [fgfZfNf^, íftf [fbfs [fffBfXfN ä, ì Å % , ì • —
 [fZfNf^, Ü, ½, í ~ — [ffBfXfN (fn [fhfffBfXfN, íp [fefBfVf#f“)

, ÌŠŽnfZfNf^, Å, · Bfu [fgfZfNf^, ífffBfXfN, ífA [fLfefNf`ff (fZfNf^ fTfCfY AfNf% fXf^ fTfCfY, È, Ç)

, ðZ · È, µ, Ü, · Bfu [fg % Å "\, ÈfffBfXfN, ífu [fgfZfNf^, É, ífíyf [fefBf“ fOfVfXfef€

, ðf [fh, ·, éfvf [fOf % f€, à “ü, Á, Ä, ç, Ü, · B

fu [fg%oA" \fffBfXfN

fRf"fsf... [f^, ð<N" ®, ·, é, ½, ß, É•K—v, ÈfVfXfef€ftf@fCf<,ª"ü,Á,Ä,ç,éfffBfXfN B Å<ß, ðfRf"fsf...
 [f^,É, ðfRf"fsf... [f^, ð<N" ®, ·, é, Æ, «, ÉŽg, í, ê, éfu [fg%oA" \, Èfn [fhfffBfXfN,ª, ,è,Ü, ·,ªA' Èíufu
 [fg%oA" \, ÈfffBfXfN v, Æ, ÍA, à, µfn [fhfffBfXfN,ª'¹ŠQ, ðŽó, ¯, ½Žž, ÈfRf"fsf...
 [f^, ð<N" ®, ·, é, ½, ß, ÉŽg, !, éftf [fbfs [fffBfXfN, ì, ±, Æ, ð, ç, ç, Ü, ·B

fu[]fgfXfgf%ofbfvf[]f_[]

fu[]fg%oo^"\\ffBfXfN,ifu[]fgfCfR[]fh,É"ü,Á,Ä,ç,ÄfRf"fsf...

[]f^,i,N"@Žž,ÉflfyfC[]fefBf"fOfVfXfef€,đf[]fh,·,é¬,³,çfvf[]fOf%of€[]B

“dŽqŒfŽ;”ÂfVfXfef€

fofX

CPU A“üo—Í|[]fg[]Af[]f,fŠ,È,ÇfRf“fsf...[]f^,ì^Ù,È,éfRf“f[]f[]fg,ðÚ’±
,·,é“dŽqf`fff[]f<,lfVfXfef€[]B

f{f^f"fo

fAfvfŠfP[fVf+f",ìfif...[fo],ì^%º,É, ,éf{f^f",i•À,ÑB€-
Ú,ìRfs[A^Ú"@AíœA^ê'è,ìi•ñ,i\Ž!,É,ÇA'Á'è,ìf^fXfN,ðŽÀs,Å,«,Ü,·B

fofCfg

8 ĆÂ, ifrbfg, Å\□-,³,é,éRf“fsf...□[f^,ì□î•ñ,ì’P^Ê□B’Ê□í□A1 fofCfg,í”¼Šp%op□”Žš<L□t,ì 1
•¶Žš,É’Š“-,:.éff□[f^,ðŠi”[,μ,Û,·□B

fLffffbfVf...

fRf“fsf...[]f^,ì‘S’ì“l,È□^—□’—“x,ðŒü□ä,·,é,½,ß,Éff□[]f^,Ü,½,ífvf□[]Of%of€-½—ß,ð^èŽž“l,É<L
%o~·,éRf“fsf...[]f^,ì“Á•É,Èf□f,fŠfTfufVfXfef€□B,Ù,Æ,ñ,Ç,ífLffffbfVf...,ífRf“fsf...[]f^,ì•W□€<L
%o~^æ ([fffBfXfN](#),Ü,½,í [RAM](#)),©,çff□[]f^,ð CPU ,Å,à,Á,Æ’—,fAfNfZfX,Å,«,éŽí—p,ì<L
%o~^æ,ÉfRfs□[],μ,Ü,·□B^è•”,ífLffffbfVf...,í‘Ò<@—p,ì<L%o~^æ,Éff□[]f^,ð•Ü,¿□ACPU
,ð^¼,íf^fXfN,ì,½,ß,É%oð•ú,μ□ACPU ,ífAfCfhf<Žž,É,ì,Ý,»,íf□[]f^,ð□’,«□ž,ß,Ü,·□B
[fffBfXfNfLffffbfVf...](#),í”ñ□í,É□,’—,È CPU ,Æ’á’—,ÈfffBfXfNfhf%ofCfu,ìŠÔ,É, ,é’—“x,ì,,é,ð•â,æ,æ,æ,
,É□YŒv,³,é,Ä,ç,Ü,·□B“à•”f□f,fŠfLffffbfVf...,ÆŠÔ•”f□f,fŠfLffffbfVf...,í CPU ,Æ’á’—,È [RAM](#)
f`fbfv,ìŠÔ,É, ,é’—“x,ì,,é,ð•â,æ,æ,æ,É□YŒv,³,é,Ä,ç,Ü,·□B

fLfffbfVf...fRf“fgf[]f%o

fLfffbfVf.... ,ì“@[]ò,ð[]§CEä,·,é‘·‘u[]B“à•”f[]f,fŠfLfffbfVf...[]AŠO•”f[]f,fŠfLfffbfVf...
[]A^ê•”,ìffBfXfNfLfffbfVf... ,ìfLfffbfVf...fRf“fgf[]f%o,ìfn[]lfhfEfFfA%oñ~H,Æf\
ftfgfEfFfA,ð‘g,Ý[]‡,í,¹,ÄŽg,ç,Û,·[]B,» ,ì¹¼,ìffBfXfNfLfffbfVf... ,ìfRf“fgf[]f%o (VCACHE[]AWindows
,ìffBfXfNfLfffbfVf... ,È,Ç) ,ìf\ftfgfEfFfA,ì,Ý,ðŽg,ç,Û,·[]B

fLffbfVf...fqbfq—!

CPU,^a—v<□,μ,½ff□[f^,^a**fLffbfVf...**,É, ,é,Æ,«,"ä—!□BfLffbfVf...fqbfq—!,^a□,ϕ,Æ CPU
,^aff□[f^,ð,·,î,â,fAfNfZfX,Å,«,é,î,ÅfRf"fsf...□[f^,î^—□'¬"x,^aCEü□ã,μ,Û,·□B

fLfffbfVf...f~fX—!

CPU ,^a—v<□,μ,½ff□[f^ ,^afLfffbfVf... ,É,È, fffBfXfN,Ü,½,Í RAM ,©,çŽæ,è□o,³,È,¯,ê,î,È,ç,È,ç,Æ,«,ì"ä
—!□BfLfffbfVf...f~fX—!,^a□,,ç,ÆfLfffbfVf... ,iff□[f^ ,ðŽg,!,é□ê□‡,É"ä,x,ÄfRf"fsf...□[f^ ,ì□^—
□'—"x,^a'á%°°,μ,Ü,·□B

CD-ROM

Compact Disk Read-Only Memory, í ŽŸ<CffBfXfN, Æ“ˆ, ¶, æ, x
, Éff[]f^, ðŠi”[. , éfŠf€[]f ofuf<fffBfXfN, Å, ·□B, ½, ¾, μ□ACD-ROM, í ŽŸ<C“I, É, Å, í, È, -
ŒöŠw“I, Éff[]f^, ðŠi”[. μ□AfŒ[]fU[]fr[]f€, ðŽg, Å, Å“Ç, ÝŽæ, è, Û, ·□B, ç, Á, ½, ñ CD-ROM
, É<L~^, μ, ½ff[]f^, í□Á<Ž, Û, ½, í□’, «’¼, μ, Å, «, Û, ¹, ñ□BCD-ROM, í Žâ, É□x—p, íŦ
ftfgfEjFfA, ð”z•z, ·, é, ½, ß, ÉŽg, í, ê, Û, ·□B

CD-R

Compact Disk-Recordable, è un tipo di disco ottico (CD) con capacità di scrittura una sola volta (CD-R). È comunemente usato per archiviare dati, audio e video. Il formato è compatibile con i lettori CD-ROM e CD-RW. È importante notare che i dischi CD-R non possono essere riscritti.

CD-ROM fhf%ofCfu

fCE[fU[fR[f€Af~f%o[AŽÊ^ŒÿoŠí,đŽg,Á,Ä [CD-ROM](#)
, ©, çff[f^,đ“Ç,Ÿž,p,½,β,İffofCfXBCD-ROM,Í“Ç,ŸŽæ,èê—p,İff[f^<L%o-^æ”}‘ì,È,ì,ÅACD-
ROM fhf%ofCfu,Í CD-ROM,É‘í,μ,Äff[f^,ì“Ç,ŸŽæ,è,í,Å,«,Ü,·,ª‘,«ž,Ÿ,í,Å,«,Ü,¹ñB

fjfXfP[fhf fjjf...[

f fjjf...[[€-Ú, ð'í'ð, μ, ½, Æ, «, É, ³, ç, É•Ž, ³, ê, é fjjf...[[BfjfXfP[fh,ª—p^Ó, ³, ê, Ä, ç, é fjjf...[[€-Ú-
¼, í%oE, É, í > ,ª•Ž, ³, ê, é, Ì, ÅÆ©•ª, ¯,ª, Ä, «, Ü, ·B

'†%o>[]^—[]'•'u

CGA

Color Graphics Adaptor ,ì—ªBfp□[f\fi<fRf“fsf...□f^,ÅŽg,í,ê,éfrfff!fAf_fvf^f{□[fh,ì 1 Ží□BPC ,ìfrfff!fffBfXfvfCfC•W□€,ì”“W,É,“,ç,À CGA ,ìf,fmfNf□fffBfXfvfCfCfAf_fvf^ (MDA) ,ìCä,ÉŠJ”- ,ª,ê,Ü,µ,½□BCGA fj□[fh,É,í,ç,,À,©,ìfrfff!f,□[fh,ª, ,è,Ü,·,ª□AfOf%oftjBfbfN,É,À,ç,Ä,í 4 □□AfefLfXfg,É,À,ç,Ä,í 16 □F,ì□\$CÄ,ª, ,è,Ü,·□B

f`fF[]f“

'P^êftf@fCf<,ì•”•a•”•a,afffBfXfN[]ã,ì~A'±,μ,È,çfNf%ofXf^,ÉŠi”[.³,ê,Ä,ç,é[]ê[]#[]Aftf@fCf<,ì
([]ÅCEä,ìfNf%ofXf^,ð[]œ,) fNf%ofXf^,ÉŠÖ,·,é FAT fGf“fgfŠ,ìftf@fCf<,ìff[]f^,ðŠi”[.μ,Ä,ç,éŽÿ,É'±,-
fNf%ofXf^,ðŽì,μ,Û,·[]Bftf@fCf<,ìfNf%ofXf^f`fF[]f“,ÉŠi”[.³,ê[]AFAT fGf“fgfŠ,í FAT
f`fF[]f“,ðCE`[]¬,μ,Ä,ç,é,Æ,ç,ì,Û,·[]B

fNf fbfNfTfCfNf<

fRf“fsf... [f^, aCEÅ X, i'€ i, ðŽÀ s, ·, é, ½, ß, É•K—v, ÈŽžŠÔ, i Å —'P^ Ê B, ½, Æ, i, Î ACPU , a 2
, Å, i fCEfWfXf^ ŠÔ, Åff [f^, ð“] —, ·, é, ½, ß, É, Í 1 fNf fbfNfTfCfNf<, a, ©, ©, è, Ü, · BfNf fbfNfTfCfNf<, i, ±
, Æ, ð uCPU fTfCfNf< v, Ü, ½, Í ufNf fbfNf` fbfN v, Æ, à, ç, ç, Ü, · B

fNf%ofXf^

Ž¥<CfffBfXfN<L%o~'•'u,ìŠî- {Š,,è“-,Ä'P^Ê□B1 ,Â,ìfNf%ofXf^,í 1 ,Â^È□ă,ìfZfNf^,Ă□\
□→,³,ê,Û,·□Bftf@fCf<fTfCfY,ªCEµ-§,ÉfNf%ofXf^fTfCfY,ì” {□”,É,È,é,±
,Æ,Í,Û,ê,Ă,·□B'Ê□í□Aftf@fCf<,ìff□[f^,ðŠi”[,·,é□ĂCEă,ìfNf%ofXf^,ì□l,í,è,É□ufXf%ofbfN—
ì^æ□v,ÆCEÄ,Î,ê,é<ó,Ì—ì^æ,ª, ,è,Û,·□BfNf%ofXf^,ðŽg,ª,±,Æ,ĂfifyfCE□[fefBf”fOfVfXfef€
,ìfZfNf^fCEfxf<,Ă□ì<Æ,·,é,æ,è,àfffBfXfN□ă,ìftf@fCf<,ðCEø—!“l,ÉŠÇ—□,Ă,«,Û,·□B

fRf“f{f{fbfNfX

fefLfXfgf{fbfNfX,ÆfŠfXfgf{fbfNfX,ì<@”\,ð‘g,Ý☯,í,¹,½ GUI fRf“f|□[flf“fg□BfefLfXfgf{fbfNfX,ì,æ,α
,Éft□[fU□[,ª“ü—í,Å,«,é“ü—íftfB□[f<fh,ÆfŠfXfgf{fbfNfX,ì,æ,α,É,»,±,©,ç‘l‘ð,·,éflfvfVf†f“fŠfXfg,ª—
p^Ó,³,ê,Ä,ç,Ü,·□B

fRf}f“fhf{f^f“

f{f^f“ã,lfefLfxfg,Ž,“®ì,žÀs,·,é’·ûĎ,lf{f^f“BĀ,à^è”É“l,ÈfRf}f“fhf{f^f“,í mOKn,Æ
mfLfff“fZf<n,Ā,·BmOKn,í“®ì,žÀs,Û,½,íĎx,âf{fbfZ[fW,Ém’è
%ž“š,μ,Û,·BmfLfff“fZf<n,í%½,à,μ,É,ċ
,Āf_CfAfOf{fbfNfX,đ·Ā,¶,Û,·BfRf}f“fhf{f^f“,đ’P,Éuf{f^f“v,Æ,à,ċ,ċ,Û,·B

COMMAND.COM

Windows 98/Me: DOS ,iffjtHf<fg,ìRf}}f“fhfCf“f^[]fvfŠf^fvf[]fOf%of€[]BfL[]f{[]f[]fh,©,ç“ü—
í,³,ê,½fRf}}f“fh,ðŽó,~Žæ,è[]A‘¼,ìfvf[]fOf%of€,ðf[][]fh,μ,½,è[]Afvf[]fOf%of€,Æ [CPU](#) ŠŎ,ìî•ñ,ì—
¬,ê,ð[]\$Eä,·,é,È,Ç,ìf^fXfN,ðŽÀ[]s,μ,Û,·[]B

^3kf{fŠf...lf€

u^3kf{fŠf...lf€ftf@fCf<v,Æ,à,ç,ç,Ü,·B^3kffBfXfN,ð\¬-,·,é
%B,µftf@fCf<,Å,·BffBfXfN,ð^3k,·,é,ÆA,»,lftf@fCf<,lftfCfY,Ík¬-,³,èA'P^è,ì^3kf{fŠf...lf€
,É,Ü,Æ,ß,ç,è,Ü,·B^3kf{fŠf...lf€,ízfXfgfhf%ofCfuă,ÉŠ!'"[,³,è,Ü,·B

^3k

ff[f^,É•K—v,ÈfRf“fsf...[f^,ì<L%o~^æ,ªCE, ,é,æ,æ
,Éff[f^,ð<Ãk, ,é<ZpB^3k,µ,½ff[f^,í,à,Æ,ì^3k,µ,È,çff[f^,æ,è,àŠi”[Žž,ÉfffBfXfNã,Åè,ß,
é•—“l,È—í^æ,ª,È,ªAfrf“fsf...[f^ŠŎ,Å,ì“’B,à’—,-
,È,è,Ü,·BCEÂX,ìtf@fCf<,Ü,½,ífffBfXfN’S’ì,í”C^Ó,ìft[feBfŠfefBf\
ftfgfEjFfA,ðŽg,Á,Å^3k,Å,«,Ü,·B

Windows NT/2000/XP: NTFS ,É,í’g,Ýž,Ý,ì^3kft[feBfŠfefB,ª“ü,Á,Ä,ç
,Ü,·BfRf}f“fhfvf[f“fvfg,Å COMPACT fRf}f“fh,ðŽg,æ,Æ NTFS
fp[feBfVfj“ã,ìtf@fCf<,Ü,½,ìftHf<f_,ð^3k,Å,«,Ü,·B

CONFIG.SYS

Windows 98/Me: fVfXfef€,İfn□[fhfEjFfA,đ□Ý'è,μ□AfffofCfXfhf
%oofCfo,đf□□[fh,·,éjRf}f"fh,ª"ü,Á,Ä,ç,éfefLfXfgftf@fCf<□BfRf"fsf...
□[f^,ª<N"®,.·,é,ÆŽ©"®"l,ÉŽÄ□s,³,ê,Ü,·□B

fRf“fefLfXfgf[]fjf...[]

fCj“f^[]ftfF[]fXfIfufWfFfNfg,đ%EfNfŠfbfN,·,é,Æ•\Ž!,³,ê[]A,»,}fIfufWfFfNfg“Á—
L,}fIfv}Vf#f“,Æ[]î•ñ,đ’ñ<Ÿ,·,éf[]fjf...[][]BfRf“fefLfXfgf[]fjf...[][,É•\
Ž!,³,ê,éfRf}f“fh,í,»,ì,Æ,«,É’l’đ,μ,Ä,ç,éfIfufWfFfNfg,É,Ä,ç,Ä,Ä,«,é‘€[]ì,É%ž,¶,Ä•İ,í,è,Ü,·[]B

~A'±

• "—□"l,É%½,©,Æ—×□Ú,μ,Ä,ç,é,±,Æ□B1 ,Â,ì«ŠE,ð,í,³,ň,Å□Ú,μ,Ä,ç,é,±,Æ□B

fRf“fgf□□[f<f□fjf...□[

fEjBf“fhfE□Af_fCfAf□fOf{fbfNfX□AfAfCfRf“,δ□^—□,Å,«,éf□fjf...□[□BfRf“fgf□□[f<f□fjf...
□[.ÍfRf“fgf□□[f<f□fjf...□[f{fbfNfX,ðfNfŠfbfN,μ,½,Æ,«□A,Ü,½,Íf^fXfNfo□[,ì□Å□_
%o»,³,ê,½fAvfŠfP□[fVf†f“,ÍfAfCfRf“,ð%oEfNfŠfbfN,μ,½,Æ,«,É•\Ž|,³,ê,Ü,·□B□ufVfXfef€f□fjf...
□[□v,Æ,à,ç,ç,Ü,·□B

fRf“fxf“fVf#fif<f□f,fŠ

Windows 98/Me: fRf“fsf...□[f^,ì [RAM](#),ì□Å□%ò,ì 640KB□B□]—^,ì IBM PC ,ífvf□fOf%òf€
,Æf|fyfCE□[fefBf“fOfVfXfef€,ÅŽg,α,½,β,ÉfRf“fxf“fVf#fif<f□f,fŠ,đ—\-ñ,μ□AŽc,è,íf□f,fŠ,ífVfXfef€,ì-
Ú“l,ì,½,β,É—\-ñ□Ī,Ÿ,Å,μ,½□B

<|'²“i,Èf}}f<f`f^fXfN

f}}f<f`f^fXfN,î`èží□BfAfvfŠfP□[fVf†f“,É^È‘¶,μ□A`èŠú“i,É CPU ,É□],Á,Ä (-¾,~“n,μ,Ä)
flfyfCE□[fefBf“fofVfXfef€,É□§CEä,ð-ß,μ,Û,·□B,»,ìžž“_„ÅflfyfCE□[fefBf“fofVfXfef€
,Ížc,è,ì,Ç,ìfAfvfŠfP□[fVf†f“,Éžÿ,ì CPU ,Ö,ìfAfNfZfX,ð<-‰oÄ,·,é,©CE^`è,μ,Û,·□BfAfvfŠfP□[fVf†f“,ª-
¾,~“n,·,Û,Ä 1 ,Ä,ìfAfvfŠfP□[fVf†f“,ª CPU ,Ö,ìfAfNfZfX,ð±,·,é,ì,ð<-‰oÄ,·,é,ì,Ä□A,±
,ìf}}f<f`f^fXfN<Z□p,É,í CPU ,ð□è—L,μ,È,ç,æ,α,É□ÝCEv,³,è,½fAfvfŠfP□[fVf†f“,ª•K—v,Ä,·□B□è—
L,ìf}}f<f`f^fXfN,ì-Ú“i,É”½,μ,Û,·□B,±,è,Æ`í□Æ“i,È,ì,ªfvfCEfGf“fvfefBfuf}}f<f`f^fXfN,Ä,·□B

ffEj“f^

Windows NT/2000/XP: Windows ,ìlfufWfFfNfgCE^,ì’@«BflfufWfFfNfg,É,Â,ç
,Ä,ì“CEvî•ñ,đŽ!,•ï“”l,ªŠi”[,³,è,Ü,·B,½,Æ,!,îAf, fŠlfufWfFfNfgCE^,É,lfLfffbfVf...
fofCfjffEj“f^,ª, ,èACE»ÝfVfXfef€,ìffBfXfNfLfffbfVf...,É-\\-ñ,³,è,Ä,ç,éff.fŠ,ì-e-
É,đŽ!,µ,Ü,·B

CPU

Central Processing Unit ('†%oo>^—'•'u) ,ì—ªBCEvŽZ,đ,μA-½—β,đŽÀs,μAfrf"fsf...
[f^,ìŠe•",Æ,ìŠÖ,Åî•ñ,đ"]'—,·,éfRf"fsf...[f^,ì^è•"BPC ,ì,æ,α,Èf}fCfNf"frf"fsf...
[f^,É,íuf}fCfNf"fvf"ZfbfT"v,ÆCEÄ,ì,è,éfVf"fOf`f`fbfv,ì CPU ,ª"«Ú,³,ê,Ä,ç,Ú,·B

CPUID -½—ß

fVfXfef€, Ì CPU ,É,Â,ç,Ä, Ìi•ñ, ð'ñ<ÿ, ·, éfAfZf“fufŠCE¾CEê, Ì-½—ß BCPUID -½—ß, ðŽg, æ, Æ ACPU
,^a CE»Y, Ì CPU , ÌŽí—pA»‘çf[fj[A“Á•Ê, Ê<@“\, ð•Ö, µ, Ü, ·B, ·, x, Ä, Ì CPU ,^a, ±, Ì-½—ß, ðfTf]
[fg, ·, é, í, -, Å, Í, , è, Ü,¹, ñB

fNf fXfŠf“fN,μ,½ftf@fCf<

2 ,Â,î^Ù,È,éftf@fCf<,É'® ,·,éff□[f^ ,áfffBfXfN□ă,Â“^ ,¶fNf%ofXf^ ,ð□è—L,·,é,±,Æ,ðŽ!,· [FAT](#) ,ìfGf
%o□[□ðŒ□□B1 ,Â,ìfNf%ofXf^ ,É“ü,é,ì,í 1 ,Â,ìftf@fCf<—
p,ìff□[f^ ,ÉŒÀ,ç,ê,é,ì,Â□Afnf□fXfŠf“fN,μ,½ftf@fCf<,ífffBfXfN,ìftf@fCf<□\‘ç,É,“,ç,ÄfGf
%o□[,ðŽ!,μ,Û,·□Norton Disk Doctor ,íff□[f^ ,ì-{-,ì□Š'®□æ,ðŒ^'è,μ□A,±,ìŽí—p,ìfGf
%o□[,ð'ù□³,Â,«,Û,·□B

CRC

Cyclic Redundancy Check (CRC) is a type of error-detecting code. It is used to detect errors in data transmission. The CRC is calculated by dividing the data by a polynomial and taking the remainder. The remainder is then appended to the data. The receiver then divides the data by the same polynomial and compares the remainder to the one that was sent. If the remainders are the same, the data is assumed to be correct. If they are different, an error is assumed to have occurred.

fVfŠf“f_

Ž¥<CfffBfXfN ä, ÅfffBfXfN, ì', ©, ç“™ <—£, É, , é'î%ž, ·, égf%oofbfN, ìfZfbfg B, » , ì, æ, α, Èfgf %oofbfN, ìfZfbfg, ð W, β, é, Æ%o~“>CE` , Å, Ü, èfVfŠf“f_ CE` , É, È, é, ì, Å ufVfŠf“f_ v, ÆCEÅ, Ñ, Ü, · B—¼- Èftf fbfS ffffBfXfN, ì ê # A, Ç, ìfVfŠf“f_ , à • \, Æ— , ì 2 , Å, ìfgf%oofbfN, ì, Ý, Å \ □→, ³, ê, Ü, · Bfn fffffBfXfN, ì ê # AfVfŠf“f_ , í, ç, , Å, à, ìfgf%oofbfN (%o~” Ö, ², Æ, ì • \, Æ—) , Å \ □→, ³, ê, Ü, · B

ffCfW[f`fF[f“

ffftHf<fgf{f^f“

f_fCfAf□fOf{fbfNfX,Å□AffffHf<fg,Å'l'ð,³,ê,Ä,ç

,éfRf}f“fhf{f^f“□B,»,l'¼,lRf}f“fhf{f^f“,æ,è□A««ŠE□ü,ª”Z,,È,Á,Ä,ç,Ü,·□Bf_fCfAf□fOf{fbfNfX,^a•\
Žl,³,ê,Ä,ç,éŠÖ,É Enter fL□[,ð%Ÿ,·,Æ□AffffHf<fgf{f^f“,ðfNfŠfbfN,·,é,ì,Æ“~,¶CE<%oÉ,É,È,è,Ü,·□B

'f•D%oo»%oođ□Á

,»ê,¼,è,ìftf@fCf<,đ□\□¬,·,éff□[f^,ª~A'±fffBfXfNfNf%ofXf^,ÉŠi"[,³,è,é,æ,ϣ
,ÉfffBfXfN□ã,ìftf@fCf<,ì•Ö□¬,đ□C□³,·,é,±,Æ□Bftf@fCf<,ª'f•D%oo»,·,é,ÆfffBfXfN,ì□^—□'¬"x,ª'á
%oo²,μ,Ü,·□B

<L□qŽq

f□f,fŠ,ì“Á’è,ìfZfOf□f“fg,É,Â,ç,Ä,ì□î•ñ,đŠi”[,·,é RAM ,ì—ì^æ□B<L□qŽq,í□u<L□qŽqfe□[fuf<□v,Æ,ç,κ
RAM ,ì“Á•Ê,Ê—
ì^æ,ÉfGf“fgfŠ,Æ,μ,ÄŠi”[,³,ê,Ü,·□BfZfÇfNf^,^a<L□qŽqfe□[fuf<,ìfGf“fgfŠ,đŽw,μ,Ü,·□B

fffofCfXfhf%ofCfo

fRf“fsf...[]f^,afffofCfX (fvfŠf“f^,âf,fff€,È,Ç) ,Æ'Ê□M,Å,«,é,æ,α,É,·,évf□fOf%of€□B
Windows ,É,í%o¼'zfffofCfXfhf%ofCfo,â, ,è,Ü,·□B%o¼'zfffofCfXfhf%ofCfo,Í•K—
vŽž,É“ @“l,Éf□□[fh,âf□□[fh%oð□œ,³,ê,Ü,·□B

f_fCfA_fOf{fbfNfX

□î•ñ,ð—v<□,Ü,½,í'ñ<ÿ,·,é“Á•Ê,ÈŽí—p,ìfEfBf“fhfE,Å,·□B

ffBfŒfNfgfŠ

ffBfŒfNfgfŠfcŠ[]

ffBfCEfNfgfŠ'®□◀

ftfHf<f_, Å, ,éffBfCEfNfgfŠfGf"fgfŠ ,đŽ⁻•Ê,.,éftf@fCf<'®□◀□B

ffffBfXfNfjgfŠfGf“fgfŠ

ffffBfXfN,íf<[fgffffBfXfNfjgfŠ,Ü,½,íffffBfXfNfjgfŠ,ìĈĀX,ì€-Ú,ð<Lq,·,éftfHf<f_ ('Éí,íftf@fCf<,Ü,½,íftfHf<f_[]j,ÉŠi”[,³,ê,éî•ñ[]BffffBfXfNfjgfŠfGf“fgfŠ,É,í-¼'O[]A[]ê[]Š[]AftfCfY,Æ[]€-Ú,ì“Á•Ê,Éftf@fCf<'@[]«,È,Ç,ìî•ñ,ª“ü,Á,Ä,ç,Ü,·[]B,Ç,íftf@fCf<,âftfHf<f_,É,àffffBfXfNfjgfŠ,É'í%ž,·,éffffBfXfNfjgfŠfGf“fgfŠ,ª, ,è,Ü,·[]B'·,çftf@fCf<=¼,ª•t,ftf@fCf<,í 1 ,Á^È[]ã,íffffBfXfNfjgfŠfGf“fgfŠ,É'·,ç-¼'O,ðŽó,~“ü,ê,é,æ,æ,É-v<[],·,é,±,Æ,ª, ,è,Ü,·[]B~_[]ffffBfXfN,²,Æ,ÉffffBfXfN,íf{fŠf...[]f€f %ofxf<,ðŠi”[,·,éffffBfXfNfjgfŠfGf“fgfŠ,ª“ü,Á,Ä,ç,é,±,Æ,ª, ,è,Ü,·[]B

ffBfXfNfLffbfVf...

RAM ,đŽg,Á,Ä^êŽž“l,Éff□[f^,đffBfXfN,©,çŠi“l,·éLffbfVf...,)Ží—P□BŽ¥<CffBfXfN,Ü,½,í CD-ROM ,©,ç,lff□[f^fAfNfZfX,í RAM ,lff□[f^fAfNfZfX,É”ä,x,Ä’Š’í“l,É’á’¬,Ä,·□B

ffBfXfNfRf“fgf[]f%°

ffBfXfNfhf%°fCfu,Æ CPU ,ì'ÊM,ö\$CEä,.,éfn[]fhfEfFfAfrf“f|[]f|f“fgB

ffBfXfNf{fŠf...[]f€

ffBfXfvfCfCfAf_fvf^

DLL

Dynamic Link Library ,ì—ª□BfAfvfŠfP□[fvf#f“ ,ìŽÀ□s,É,æ,Á,Ä<¤—L,Å,« ,éŽÀ□s%oÂ“\ ,ÉfR□[fh,ª“ü,Á,Ä,¢,é Windows ftf@fCf<□BDLL ,ðŽg,¤,ÆfAfvfŠfP□[fvf#f“ ,Å“Á'è,ì<@“\ ,ðŽÀ□s,·,é,½,ß,É•K—v,È'¼,ìfŠ^□[fX,à<¤—L,Å,«,Ü,·□B

• 1. 'fEjBf"fhfE

• \CEvŽZf□□[fNjV□[fg,Ü,½,ÍfefLjXfgftf@fCf<,È,Ç,İfAfvfŠfP□[fVf#f" • 1. ' , δ • \Ž | , . , éfEjBf"fhfE□B

fhf[]bfvf_fEf“fRf“f{f{fbfNfX

fejLjXfgf{fbfNfX,Æfhf[]bfvf_fEf“fŠfXfg (fvf[]f“fvfgf{f^f“,đfNfŠfbfN,.,é,Æ%oo°,É‘l’đfŠfXfg,³•\
Ž|,³,ê,é) ,đ‘g,Ý[]†,í,¹,½“Á•Ê,ÊfRf“f{f{fbfNfX[]B

fhf fbjvf fEj“fŠfXfg

fvf“fvfgf{f^f”, ðfNfŠfbfN, ·, é, Æ A%º, É' l' ðfŠfXfg, ð•\Žl, ·, éfŠfXfgf{fbfNfX B€-
Ú, º' l' ð, º, è, é, Æ AfŠfXfg, Í•Â, ¶, Ü, · B

DRAM

'É□í,íRf"fsf...□[f^,íŽâ<L%~ RAM ,ì,½,β,ÉŽg,í,ê,é"¼"±'ífx□[fX,íf□f,fŠ,íŽí—p□BDRAM
f`fbfv,íŽžŠÖ,ª,½,Â,Æ"d%o×,ª□Á,í,éfRf"fff"ft,ð"à' ,.é,ì,Á□AŠi"[□í,Y,ì□î•ñ,ð□â,í,□',«'¼,·
(,Â,Û,è□u□X□V□v,·é) ,æ,α,ÉfRf"fsf...□[f^,É—v<□,μ,Û,·□B,±,ê,í□X□V,ð—v<□,μ,É,ç,Á□î•ñ,ð•Û,Â
SRAM f`fbfv,Æ'í□Æ"l,Á,·□B,±,ê,ç,íŽí—p,ì RAM ,í—¼•û,Æ,àŠö"□«,íf□[f^<L%~^æ,ð—p^Ó,μ,Á,ç
,Û,·□BDRAM f`fbfv,í,æ,è^À%o¿,Á SRAM f`fbfv,æ,è'½,,ì□î•ñ,ðŠi"[μ,Û,·,ª□ADRAM
,ì□î•ñ,ÉfAfnfzfx,·,é,ì,É,íŽžŠÖ,ª,©,©,è,Û,·□B

DRVSPACE.BIN

DriveSpace ,É,æ,Á,Ä^³k,³,ê,½fhf%ofCfu,đfTf|[]fg,·,é,½,ß,ÉŽg,í,ê,é DOS ,ìfhf%ofCfo[]B

“džqf□□[f<

Electronic ,ì“ª•¶Žš,ì E ,đ,Æ,Á,Ä□uE f□□[f<□v,Æ,à,ç,ç,Ü,·□B<κ'Ê,ìfRf“fsf...□[f^flfbfgf□□[fN,đ<κ—
L,·,é□l,Ü,½,í,»±,ÉfAfnfZfX,Å,«,é□l,Éf□fbfZ□[fW,âî•ñ,đ (ftf@fCf<,đŠÜ,ß,Ä) ‘—□M,Å,«,Ü,·□B

EGA

Enhanced Graphics Array , Ì—ªBfp [f\jif<fRf“fsf... [f^, ÅŽg, í, ê, éfrffflfAf_fvf^f{ [fh, Ì 1 ŽíBPC
—pfrffflffBfXfvfÆfC•W [€, Ì“W, É, ”, ç, Å EGA , Ì CGA , ÌÆã, ÉŠ” , ³, ê, Ü, µ, ½BEGA fj [fh, É, Ì, ç, -
, Å, ©, Ìfrffflf, [fh,ª, , è, Ü, ,ªAfOf%oftfBfbfN,ÆfefLfXfg, Å 16 [F, Ì [SCEÀ,ª, , è, Ü, ·B

EISA

Extended Industry Standard Architecture ,ì—ª,Å□ufC□[fT□v,Æ”%oo¹,μ,Ü,·□BISA fofX,ÉŠî,Ã,-
fRf“fsf...□[f^fofX,ì—Ž@□B32 frfbfgff□[f^fpfX,đŽg,ϕ□AISA fofX,É,Í,É,ϕ□,“x,È<@”\,đ”ō,ı,Ã,ϕ
,Ü,·□BISA Šg’£fj□[fh,đ EISA fofXfRfjNf^,É□·,μ□ž,p,±,Æ,Í,Å,«,Ü,·ª□AEISA fofX,ì□,“x,È<@”\,Í—
p,Å,«,Ü,¹,ñ□B

E f00[f<

ŠĀ««•İ”

ŠĀ««•İ” ,İfİfyfĈ[fefBf“fOfVfXfef€
,Æ,» ,İ¼,İfAfvfŠfP[fVf#f” ,Žg,ŞeŽÍ,İfOf[fOf<,ÈŸ’è,đŠi”[,µ,Ü,·B,±
,ê,ç,İŸ’è,İ•İX,Ā,«ASĀ««•İ” ,ÉĈ»Ÿ,İŸ’è,Ši”[,³,ê,Ü,·BDOS ,ĀŽg,í,ê,é“TĈ^“İ,ÈŠĀ««•İ” ,İ
PROMPTĀTEMPĀPATH ,È,Ç,Ā,·BPROMPT ,Í DOS fvf“fvfg,đ,Ç,Ş•\
Ž! , ,é,©,đŽw’è, ,éŠĀ««•İ” ,Ā,·BTEMP ,İ^èŽŽ“İ,Èfvf“fOf%of€,İ<L
%o~^æ,İ,½,ß,ÉŽg,ŞftfHf<f_ ,đŽw’è, ,éŠĀ««•İ” ,Ā,·BPATH ,İfİfyfĈ[fefBf“fOfVfXfef€,İfRf}f“fhf
%ofCf” ,Ā“ü—İ, ,éŽĀ[s%oĀ“\,Èfvf“fOf%of€,đĈŸö, ,éftfHf<f_ ,İfŠfXfg,đŽw’è, ,éŠĀ««•İ” ,Ā,·B
Ĉ»Ÿ,İ’è<`İ,Ÿ,İŠĀ««•İ”Ÿ’è,đĈ© ,é,É,İADOS fEfBf“fhfE,đŠJ,č,ĀfRf}f“fhfvf“fvfg,Ā SET ,Æ“ü
—İ,µ,Ü,·B

EPROM

Erasable Programmable Read-Only Memory, è—ª, ÅufC[]fs[]f[]f€[]v,Æ”%º¹,µ,Û,·[]B<-
,çŽšŠOü,ð”-,Ä,Ä^È‘O,lfvf[]fOf%ºf€,ð[]Á<Ž,µ,½CEä,Å[]Áfvf[]fOf%ºf€,Å,«,é PROM ,lŽí—
p[]BEPROM ,í•sŠö”[]«f[]f, fŠ, Å, ,ª[]AŠi”[]i,Ý, lî•ñ,ð[]Á<Ž,·,é,É,í•—[]l,ÉfRf”fsf...
[]f^,©,çŽæ,è,í,,·K—v,ª, ,è,Û,·[]B

DEF_EPROM topic.

Šg'£f{[]fh

fRf“fsf...[]f^,î<@”\,ðŠg'£

(,½,Æ,!,î[]AfWf#fCfXfefBfbfN[]AfTfEf“fh[]Af}f<f`f[]ffjBfAfffofCfX[]AfIfbfgf[][]fN[]Ú'±,ðfTf|[]fG)

,·,é,½,ß,ÉfRf“fsf...[]f^“à•”,lfXf[]fbfg,É[],μ[]ž,p%ñ~HŠî”Â

(,Ü,½,íj[]fh)[]BŠg'£f{[]fh,ð[]ufAf_fvf^[]v,Ü,½,í[]ufAf_fvf^fj[]fh[]v,Æ,à,ç,ç,Ü,·[]B

EDO RAM

Extended Data Out Random Access Memory, $\dot{I} - a \square B \square \hat{A} < \beta - v < \square, ^3, \hat{e}, \frac{1}{2} f f \square [f \wedge, \delta$
%oδ•úCEã,ÉfLfffbfVf... 't,É•Û,Ä,é□V,μ,ϕ□, '¬,É **DRAM**, Ĩí—p□BEDO RAM, í□^—□'¬“x, ð 20%
,Ü,ÅCEü□ã,μ,Û,·□B

ŠO"”f□f,fŠfLffffbfVf...

"ň□í,É□,‘¬,È CPU ,ÆfRf“fsf...□[f^,ìŽå<L%o~ RAM ,ì’á’¬,È DRAM f`fbfv,ìŠÖ,ð’±%oî,·,éLffffbfVf...
□BŠO•”f□f,fŠfLffffbfVf...,í□,‘¬,È SRAM f`fbfv,ìfn□[fhfEfffA%oñ~H,ðŽg,Á,Äf
ftfgfEfffA,ð□\$CEä,μ,Û,·□BŠO•”f□f,fŠfLffffbfVf...,í CPU ,ìŠO•”,É, ,é,ì,Å“à•”f□f,fŠfLffffbfVf...
,æ,è,à’á’¬,Ä,·□B,ç, ,è,ìf□f,fŠfLffffbfVf...,à CPU ,^a RAM,É—
v<□,·,é•p“x,^a□Ä,à□,,çff□[f^,ðŠi”[,μ,Û,·□Bf□f,fŠfLffffbfVf...,í RAM ,æ,è,à,·,î,â, CPU ,Éff□[f^,ð’—
,é,ì,Å□Afrf“fsf...□[f^,ì□^—□CEø—|,^aCEü□ä,μ,Û,·□BŠO•”f□f,fŠfLffffbfVf...,ð□u“ňŽÝfLffffbfVf...
□v□ufCEfxf< 2 fLffffbfVf...□v□uL2 fLffffbfVf...□v,Æ,à,ç,ç,Û,·□B

ftj@fCf.š,,è“-,ÄfGf%o[]

ftj@fCf<,iffBfEfNfgfŠfGf“fgfŠ,ž!,.ftj@fCf<fTfCfY,Æ FAT ,ì†,ÅŠÖ~A•t,¯³,é,fNf
%ofXf^,ìĈĀ”,ž!,.ftj@fCf<fTfCfY,ì•s^ê'v[]B

FAT

File Allocation Table (FAT) is a file system that stores the location of files on a disk. It is used by Windows and many other operating systems. The most common version is FAT16, which is used on floppy disks and hard drives. FAT32 is used on hard drives and flash drives. ExFAT is used on flash drives and hard drives. VFAT is a variant of FAT32 that supports long filenames. The FAT file system is a simple and efficient way to store files on a disk. It is used by many operating systems and is supported by a wide range of hardware. The FAT file system is a simple and efficient way to store files on a disk. It is used by many operating systems and is supported by a wide range of hardware.

FAT32

Microsoft ŽĐ,ªŸŒv,µ,½V,µ,†ftf@fCf<fVfXfef€B'å—e—Êfn[fhfffBfXfnfhf%ofCfu,đfTf|
[fg,µi“Á,É'å—e—ÊfffBfXfnã,Åj,†,Á,»»,æŒø—|“l,ÊfffBfXfn—î^æ,đŽg,†,Û,·B

FAT

ftf@fCf<fVfXfef€, í, à, Æ, à, Æftf[]fbfs[]lfffBfXfN—p, É[]ÝÆv, ³, è DOS flfyfCE[]lfeBf“fofVfXfef€, Å[]—
p, ³, è, Ü, µ, ½[]BFAT ftf@fCf<fVfXfef€, Æ, ç, x-¼'O, ÅÆÄ, Ö, Ì, Í [FAT](#)
, ðŽg, Á, ÄfffBfXfN[]ä, Ì, ;, x, Ä, lfAf[]fP[]lVf#“ftfjfbfgfNf%ofXf^, ÌS,,, è“-
, Ä[]i•ñ, ð<L~^, ;, é, ©, ç, Å, ·[]BFAT ftf@fCf<fVfXfef€, Í [NTFS](#), Ì, æ, x, É'å—e—Ê, ÌfffBfXfN, ätf@fCf<, ðfTf|
[]lfg, µ, Ü, ¹, ñ[]B

Windows NT/2000/XP, Å, Ífn[]lfhfffBfXfN, Í FAT ftf@fCf<fVfXfef€—p, Ü, ½, Í NTFS —
p, ÉftfH[]l}fbfg, ³, è, Ü, ·[]Bftf[]fbfs[]lfffBfXfN, Í FAT ftf@fCf<fVfXfef€—p, É, Ì, ÝftfH[]l}fbfg, ³, è, Ü, ·[]B

FAT

ftf@fCf'®□◀

ftf@fCf'®□◀,ífffBfCEfNfgfŠfGf"fgfŠ,Å•\,ff□[f^,ì"Á'è,ì□◀Žì,đ<L□q,μ□AflfyfCE□[fefBf"fOfVfXfef€
,Å,»,íff□[f^,đ,Ç,π□^—

□,·,é,©,đCE^'è,μ,Û,·□B,Ç,ìftf@fCf'®□◀,àfffBfCEfNfgfŠfGf"fgfŠ,Æ^ê□□,ÉŠi"l,³,ê,éff□[f^,ì'P^ê,ìfrf
bfg,Å•\CE»,³,ê,Û,·□B1 frfbfg,É,ílf",Æfift,ì 2 ,Å,ì□ó'Ö,μ,©,È,ç

,ì,Å□Aftf@fCf'®□◀,ªŽì,·,ì,ífffBfCEfNfgfŠfGf"fgfŠ,ª,»,ì'®□◀,đ□^—□,Å,«,é,©,Å,«,È,ç
,©,Å,·□Bftf@fCf'®□◀,íŽÝ,ì 6 ,Å,Å,·□B

- fA□[fjfCfu'®□◀
- ftfHf<f'®□◀
- %oB,μ'®□◀
- "Ç,ÝŽæ,è□ê—p'®□◀
- fVfXfef€'®□◀
- f{fŠf...□[f€f%ofxf<'®□◀

ftj@fCf·fT[]fo[]

f|fbfgf[]fNft[]fU[][,^a<κ—L,ifAfvfŠfP[]fVf#f",Æff[]f^ftj@fCf<,ÉfAfNfZfX,Å,«,é,æ,κ
,É,·,é[]A|fbfgf[]fN,É[]Ú'±,³,ê,³/₂+%>fffBfXfN<L%o~'•'u[]BLAN ,àŽQ[]Æ,μ,Ä,,³/₄,³,ç[]B

ftf@fCf<,iŠg'£Žq

ftf@fCf<-¼,ìÅĀě,ìfsfŠflfh,ìĀě,É•t, -,éĀĒ—ª%Ā"\
,ÉĀŮ"öŽ«Ā'ÉĀíĀftf@fCf<,iŠg'£Žq,í^ê"Ā"Ā,Ēftf@fCf<,iŽí—p,ðŽ,μ,Ů,·ĀB,½,ĀE,Ā,Ā,ĀĀTX
,ĀfēlXfgftf@fCf<,iŠg'£ŽqĀADOC,ĀfĀĀ[fvfĀ,Ā•ĀĀ'ftf@fCf<,iŠg'£Žq,ĀE,μ,ĀŽg,Ā,Ē,Ů,·ĀBDOS
ŠĀ««%Ā°,Ā,Āftf@fCf<,iŠg'£Žq,Ā"¼Šp 3 •ĀŽš^Ē%Ā°,ĒĀĀ,Ā,Ē,Ā,Ā,Ā,μ,½ĀĀĀĀĀĀ,Ā Windows
,Ā,ĀĀftf@fCf<,iŠg'£Žq,ð"¼Šp 254 •ĀŽš,Ů,Ā',-
,Ā,«,Ů,·ĀB,μ,©,μĀĀ,Ů,ĀE,ñ,Ā,ĀfĀfvfŠfPĀ[fvfĀĀ",ĀĀĀ,ĀfvfĀĀOf%ĀfĀ,ĀE,ĀĀĀŸŠ·ĀĀ,ð•Ů,Ā,½,Ā,Ē,Ē,Ů,¼ 3
•ĀŽš,iŠg'£Žq,ðĀĀ—p,μ,Ā,Ā,Ā,·ĀB

ftj@[f€fEjFfA

•sŠö"«f f, fŠ ,ÉŠi" [,³,ê,é\ftfgfEjFfA□BfRf"fsf...□[f^,ì ROM BIOS ,í□Å,à^ê"Ê"l,Èftj@[f€fEjFfA,ì
—á,Å,·□B

ftf%ofbfVf...f[]f,fš

Intel ,^aSj” ,μ, 1/2” 1/4“ ± ‘İfx[]fX, İ•sŠö” □«f[]f,fš □Bftf%ofbfVf...f[]f,fš, İ EEPROM ,Æ“ ~ ,¶, æ, x
, É“ dŽq“ İ, É□Á<Ž%Ä” \, É, İ, ÄfRf“ fsf... □[f^, ©, çŽæ, è, İ, ,³, È,, Ä, à□Äfvf[]fOf%of€ ,Ä, «, Ü, ·□B, ±, İŽí—
p, İf[]f,fš, İfuf[]fbfN, Ä□Á<Ž, ·, é•K—v,^a, , é, İ, Ä 1 %oň, ÉfofCfg’ P^Ê, Ä%ü•İ, ·, é, ±
,Æ, İ, Ä, «, Ü, ¹, ñ□B, μ, 1/2,^a, Ä□ÄfRf“ fsf... □[f^, İŽâ<L%o~ RAM , İ’u, «Š, İ, É, İ“K, μ, Ü, ¹, ñ, ^aftf%ofbfVf...
f[]f,fš, İf[]f^fuf<fRf“ fsf... □[f^, İf[]f,fš, ð•â, x, 1/2, ß, É PC f[]f[]fh, É, æ, Žg, İ, é, Ü, ·□B
ftf%ofbfVf...f[]f,fš, ðŽg, x 1 , Ä, İ—á, İfvfXfef€ BIOS —p, Ä, ·□B<ÆŽ® , İ ROM BIOS
f`fbfv, İ□ê□±, ÉfRf“ fsf... □[f^, İ BIOS , ð□X□V, ·, é, É, İ•” —□“İ, É’uŠ, ·, , é•K—v,^a, , é, İ, É’İ, μ□A, ±, İŽí—p, İ
BIOS , İf\ftfgfEfFfA, Ä□X□V, Ä, «, Ü, ·□B

ftfjfbfs[fffBfXfN

ff[f^,đš"[,·,é,½,β,ÉŽg,í,ê,éž<C"}'ì,î^êží□BŽ¥<C"}'ì,í"-.,Ä•½,ç,Èf}fCf%oo[fffBfXfN,É□Ú'...
,³,ê,Ä,ç,é,ì,Åftfjfbfs[fffBfXfN,í□_“î,Å,·□B,±
,ê,íž<CfR□[fejBf“fO,μ,½CE~,ç'f□P,ÅCE`□-,³,ê,éfn□[fhfffBfXfN,Æ'î□Æ“ì,Å,·□BCE»□ÝŽg,í,ê,é□Å,à^
ê”Ê“ì,Éftfjfbfs[fffBfXfN,ìftfH□[f}fbfg,í 3.5
fCf“f` ,Å,·□Bftfjfbfs[fffBfXfN,đ□ufffBfXfPfbfg□v,Æ,à,ç,ç,Ü,·□B

ftfHf<f_


fffBfXfN□ä,Å 1 ,Â,İftfHf<f_ ,İftf@fCf<,Ü,½,İftfHf<f_ ,đ<L□q,·,éfffBf<EfNfgfŠfGf"fgfŠ.İfŠfXfg,Å\ □→,³,ê,Ü,·□BftfHf<f_ ,İ't,É,İ'¼,İftfHf<f_ ,đ"ü,ê,é,± ,Æ,ª,Â,«,é,İ,ÂftfHf<f_ ,İff□İf^ ,đŠK'w•Ö□→,Â,«,Ü,·□BfffBfXfN,İŠî- {fRf"fefi,İf<□İfgfffBf<EfNfgfŠ,Å, ,è <t<É"İ,ÉfffBfXfN□ä,İ,·,x,Â,İftfHf<f_ ,ª,»,±,É"ü,è,Ü,·□BWindows ,â¼,İ GUI ,İ%œ- É,ÂftfHf<f_ ,İftfHf<f_ ,İCE` ,đ,μ,½fAfCfRf" ,Å•\,³,ê,Ü,·□B


fcfŠ[]^ê—


fffBfXfN,if<[]fgfffBfCfNfgfŠ,đ<N“_É,·,éfffBfXfN[]ã,iftfHf<f_,ì•Ò[]-[]Bf<[]fgfffBfCfNfgfŠ,É,iftf@fC
f<,âftfHf<f_,^“ü,è,Ü,·[]B
,»ê,¼,è,iftfHf<f_Ž©‘ì,É,iftf@fCf<,Ü,½,í¼,iftfHf<f_,^“ü,è,Ü,·[]BftfHf<f_,ìŠK‘w,đ[]-[],·,é,±
,ì•Ò[]-[]‘ç,đftfHf<f_fcfŠ[],Æ,ç,ç,Ü,·[]B

ftfHfAfOf%ofEf“fh

ftfHfAfOf%ofEf“fh, ÅŽÀ□s't, lfAfvfŠfP□[fVf†f“, lfAfNfefBfufEfBf“fhfE, É•\
Ž!,³, è, Ü, ·□BffftfHf<fg, Å, í□AftfHfAfOf%ofEf“fh, ÅŽÀ□s,³, è, éfAfvfŠfP□[fVf†f“, lfRf“fsf...
□[f^, î^èŽYf^fXfN, Å, , è□AZc, è, lŽÀ□s't, lfAfvfŠfP□[fVf†f“, æ, è, à□, †“ä—l, Å CPU , l□^—
□ŽžŠŎ, ðŽó, ~Žæ, è, Ü, ·□B fofbfNfOf
%ofEf“fh, ÅŽÀ□s't, Æ□l, l, ç, è, éŽc, è, lfAfvfŠfP□[fVf†f“, í□AftfHfAfOf%ofEf“fhf^fXfN, l□^—□, ì'â•”•a,^a
—Ž, ž'..., Æ CPU , ©, ç, »., lfAfef“fVf†f“, ðŽó, ~Žæ, è, Ü, ·□B
Windows NT/2000/XP , Å, lfftfHfAfOf%ofEf“fh, ÆfobfNfOf%ofEf“fh, lf^fXfN, ÉŠ,,, è“- , Ä, é'Š'î“l, È□^—
□fAfef“fVf†f“, ð•ì□X, Å, «, Ü, ·□B

 **Windows NT:** fRf“fgf□□[f<fpflf<, l□mfVfXfef€□n, Å□mfppftfH□[f}f“fX□nfy□[fW, ð•\
Ž!, μ, Å□mfAfvfŠfP□[fVf†f“, l□^—□—D□æ“x□nfOf<□[fv, É, , éfXf%ofCf_□[, ð“® , ©, μ, Å'²□®, μ, Ü, ·□B□A

 **Windows 2000:** fRf“fgf□□[f<fpflf<, l□mfVfXfef€□n, Å□m□Ú□x□nfy□[fW, ð•\
Ž!, μ, Å□mfppftfH□[f}f“fXflfvfVf†f“(P)□n, ðfNfŠfbfN, μ, Ü, ·□B

 **Windows XP:** fRf“fgf□□[f<fpflf<, l□mfppftfH□[f}f“fX, Æf□f“fefif“fX□n, Å□mfRf“fsf...
□[f^, ìŠî-{"l, È□î•ñ, ð•\Ž!, , é□n, ð'l, N□A□mfVfXfef€
, lfvf□fpfefB□nf_fCfAf□fOf{fbfNfX, Å□m□Ú□x□Y'è□nfy□[fW, ð•\
Ž!, μ, Å□A□mfppftfH□[f}f“fX□nf{fbfNfX, l□m□Y'è□n, ðfNfŠfbfN, μ□A□mfppftfH□[f}f“fX, lfvf□fpfefB□nf_
fCfAf□fOf{fbfNfX, l□m□Ú□x□Y'è□nfy□[fW, ð'l'ð, μ, Ü, ·□B

ftfH[f]fbfg

ŽŸ<CfffBfXfN (,Ü,½,í¼,ì·Šúff[f^<L%~"}ì) ,đŽg,í,é,æ,α
,É,·,é€"öBffBfXfN,ìftfH[f]fbfg,Æ,í'áfCfxf<ftfH[f]fbfgAfffBfXfN,ìfp[fe'fVf#f"•ªŠ,, (fn[fh
fffBfXfN ,ìê±,ì,Ý)A,fCfxf<ftfH[f]fbfg,É,Ç,ì'ì,Å,·B

4 • ũŒüŸ'è~A'zflffbfVf...

RAM ōă,ì"Á'è,ìèŸ,É, ,éff[f^,ðflffbfVf...,ì't,É, ,é 4 ,Â,ìèŸ,ì,Ç,±,©,ÉfRfs[.,,é,±
,Æ,É,æ,Á,ÄŽÀŒ»,³,ê,éflffbfVf...<ZpBflffbfVf...,^a 4 ,Â,ì—
ì^æ,Û,½,ÍZfbfg,É•^aŸ,,³,êA,»,ê,¼,ê,ì—ì^æ,^aÆ—š,μ,½'¼Úf}fbfvfLffbfVf...,Æ,μ,Ä<@"\
,μ,Û,·B

'f•D%»

ftf@fCf<,đ\□-.,éff□lf^,āffBfXfN□ã,ì~A'±
,μ,É,ç□ê□Š,ÉŠi"[,³,ê,é□ó'Ó□B,»,ê,¹/₄,ê,ì'f•D,íftf@fCf<,ì^è•",^aü,Á,Ä,ç,é~A'±,μ,É,çfNf
%oXf^,Ä,·□B'f•D%»»,íftf@fCf<,ì□□-□A^Ú"®□A□í□œ,É,Ç'É□í,ì□^—□'t,É<N,«,Ü,·□B'f•D
%»»,μ,¹/₂□î•ñ,ì'f•D%»»,μ,Ä,ç,É,ç□î•ñ,æ,è,à"Ç,Ý□',«fwfbfh,ì^Ú"®,^a¹/₂,-
,É,é•^a,³/₄,ffBfXfN,©,ç,ì"Ç,ÝŽæ,è,ÉŽŽŠÔ,^a,©,©,è,Ü,·□B'f•D%»»,í□í□œftf@fCf<,đ
%oñ•œ,Ä,«,É,çCE^ö,É,à,É,è,Ü,·□B'f•D%»%ođ□Á,àŽQ□Æ,μ,Ä,,³/₄,³,ç□B

GDI

Graphics Device Interface ,ì—ª□B

Windows 98/Me: ftfHf"fg□A•`%œ—v'f□A□FŠÇ—□,đŽn,ß,Æ,·,é Windows ,lfOf%oftfBfbfN<@"\
,đfTf|□[fg,·,éfCf"f^□[ftfF□[fX□BWindows ,É,ÍŽâ,ÉfTfufVfXfef€ ,Æ,μ,Äfj□[fjf<□AfOf
%oftfBfbfNfXfffofCfXfCf"f^□[ftfF□[fX□USER_fŠf□[fX,ì 3 Ží—p,ª, ,è,Û,·□B

GDI fšf\[]fX

Windows 98/Me: Windows ,ì [GDI](#) ,ÉŠ,,,è“- ,Ä,ç,ê,½fšf\[]fX[]BGDI
,ÍftfHf“fg[]Afvfšf~fefBfu,ì[]Ä•`%œ[]A []F,ìŠÇ—[],ðŠÚ,ß,Ä Windows ,ìfOf%oftfBfbfN<@”\,ðfTf|
[]f[]g,μ,Û,·[]BWindows fTfufVfXfef€,Ífj[]f[]f<[]AGDI[][AUSER fšf\\[\]fX](#),Å[]\[]- ,³,ê,Û,·[]B

fOf%oftfBfbfNfXfj[]fh

fffBfXfvfCefCffofCfX,ifOf%oftfBfbfN<@"\ (fffBfXfvfCefC,È,Ç) ,ðTfj|

[]fg,·,éŠg'£fj[]fh[]B[]ufffBfXfvfCefCfAf_fvf^[]v,Û,½,Í[]ufrfflfj[]fh[]v,Æ,à,ç,ç,Û,·[]B

fOj%oftfBfbfNfXf[]fNfXfe[]fVf#f“

fOf<[fvf{fbfNfX

ŠÖ~A,·,éfRf“f|□[flf“fg,ðfOf<□[fv,É•ª,¯,éf_fCfAf□fOf{fbfNfX,ì GUI fRf“f|

□[flf“fg□BfOf<□[fvf{fbfNfX,í<«ŠE□ü,Æf^fCfgef<,Å□\

□¬,³,ê,Ü,·□BfOf<□[fvf{fbfNfX,ì†,Éf`fFfbfNf{fbfNfX,ÆflfvfVf†f“f{f^f“,ª“ü,Á,Ä,ç,é,±,Æ,ª,æ,, ,è,Ü,
·□B

fn [fhfffBfXfN

ff [f^, <L%¯, ÉŽg, í, è, éŽ¥<C”} ‘ì, ì 1 Ži [Bfn [fhfffBfXfN, íft [fbfs [fffBfXfN, Æ^Ù, È, è_ “i [«, ¢, È, -
Žæ, è, í, , 1, Û, 1, ñ [Bft [fbfs [fffBfXfN, æ, è, à ‘½, , iff [f^, ð • Û ‘¶, Å, « [A, Û, Æ, ñ, Ç, íp [fjif <fRf “fsf...
[f^, É, Æ, Á, Ä, Ì ‘Šú “l, Èff [f^ <L%¯, ìŽã—v ‘• u, Å, · [B

%oB,μ'®□«

,±,ìftf@fCf<'®□«,íffftfHf<fg,ÅfŠfXfg,É•\

Ž!,³,é,É,çfffBfCfNfgfŠfGf“fgfŠ,đŽ⁻•Ê,·,é,½,β,ÉŽg,í,è,Ü,·□B'Êí□A%oB,μftf@fCf<,â%oB,μftfHf<f_í

DOS fvff“fvfg,Å DIR fRf}f“fh,ìŽÀ□sŽž,É•\Ž!,³,é,Ü,¹,ñ□BfifvfVf†f“,Å Windows ,Ü,¹/₂,í DOS

fvff“fvfg,Å DIR fRf}f“fh,ìŽÀ□sŽž,É%oB,μftf@fCf<,â%oB,μftfHf<f_đ•\Ž!,·,é,æ,α,ÉŽw'è,Å,«,Ü,·□B

'·,çftf@fCf<-¼,đ•\·,ffBfCfNfgfŠfGf“fgfŠ,É,íf{fŠf...□[f€f%oofxf<'®□«□A%oB,μ'®□«□A“C,ÝŽæ,è□ê

—p'®□«,□A[VfXfef€'®□«,ìfZfbfg,^a, ,è,Ü,·□B,±,ìftf@fCf<'®□«,ì'g,Ý□‡,í,¹,í'·,çftf@fCf<-¼,É“Á—

L,Å,·□B

□,fCfxf<ftfH□[f]fbfg

~_—□fffBfXfN,đŽg,!,é,æ,α,É,·,é□€"ö,ì□^—□□BflfyfC□[fefBf"fOfVfXfef€
,āfffBfXfN,đfAfNfZfX,·,é,½,β,ÉŽg,αff□[f^□\‘¢,đ’Ç%oÁ,μ,Û,·□B,±
,ì□€"ö,ì’iŠK,ÅfffBfXfN□ā,ìftf@fCf<•Ö□~,ì~g’g (fu□[fgfCfR□[fh□AFAT□Af<□[fgfffBfCfNfgfŠ)
,^a□ì□~,³,é,Û,·□B□,fCfxf<ftfH□[f]fbfg,đ□u~_—□ftfH□[f]fbfg□v□uf<ftfgftfH□[f]fbfg□v,Æ,à,¢,¢
,Û,·□B

□,fCfxf<ftfH□[f]fbfg,íŽ¥<CfffBfXfN,đŽg,!,é,æ,α,É□€"ö,·,éfXfefbfv,ì 1 ,Â,Â,·□B
fn□[fhfffBfXfN,đŽg,!,é,æ,α,É,·,é□€"ö,í•“—
□ftfH□[f]fbfg□Afp□[fefBfVf#f“•^aŠ,,□A□,fCfxf<ftfH□[f]fbfg,ì□‡,É□i,β,Û,·□B

fzfXfgfhf%ofCfu

^3[]kfffBfXfN,lfzfXfgfhf%ofCfu,í,»,ê,ð•Ùž[],µ,Ä,ç,é"ñ^3[]k,ì•" —[]fhf
%ofCfu,Ä,·[]B^3[]k,³,ê,½fffBfXfN,í"Á•Ê,Ê%B,µftf@fCf< (^3[]kf{fŠf...[]f€,Æ,ç,ç,Ü,·)
,Æ,µ,ÄfzfXfgfhf%ofCfu,ÉŠi"[,³,ê,Ü,·[]BfzfXfgfhf%ofCfu,É,í^3[]kf{fŠf...
[]f€ftf@fCf<,Æ,Æ,à,É'¼,ì"ñ^3[]kftf@fCf<,ª"ü,Ä,Ä,ç,é,±,Æ,à, ,è,Ü,·[]B
fffBfXfN,ð^3[]k,·,é,Æ[]AfzfXfgfhf%ofCfu,É,í•Ê,lfhf%ofCfu-¼,ªŠ,,è"-,Ä,ç,ê,Ü,·[]BDriveSpace
,ðžg,Á,Ä^3[]kfhhf%ofCfu,ð[]-·,·,é[]ê[]#[]AfzfXfgfhf%ofCfu,ð•\ž|,µ,È,ç,æ,æ,É,·,é,±
,Æ,à,Å,«,Ü,·[]BfzfXfgfhf%ofCfu,ð%B,µ,½[]ê[]#[]A,±,lfhf%ofCfu,í[]mf}fCfRf"fsf...
[]f^[]n[]A[]mWindows fGfNfXfvf[]f%[]n[]A[]mftf@fCf<,ðŠj,[]n[]A[]m-
¼'0,ð•t,¯,Ä•Ù'¶[]nf_fCfAf[]fOf{fbfNfX,É,í•\ž|,³,ê,Ü,¹,ñ[]B^3[]kfffBfXfN,lfzfXfg,ª%B,³,ê,Ä,ç
,é,©,ç,æ,©,É,©,í,ç,·,·\ž|,³,ê,Ü,·[]B

fcf [fw

Norton Utilities ,ì Image fv fOf%of€

, ãffBfXfN, ìufXfjfbfvfVf#fbfg v, ðŽB, Á, Ä, ì, , é“Á•Ê, Èftj@fCf< BffBfXfN, ìd—v, Èí•ñ
(fu [fgfEfr [fh AFAT Af< [fg, ìí•ñ) , ãŠi” [, ã, ê, Ü, . B

INI ftf@fCf<

.INI ,Æ,ç,¤Šg'£Žq,^a•t,ftf@fCf< (INI ,í Initialization ,ì—^a,Å,.)□BINI ftf@fCf<,íft□[fU□[□Ý'è,Æfvf□fOf
%of€,ì□%Šú□Ý'è,É•K—v,É,»,'¼,ì□î•ñ,ðŠi"l,·,é,½,ß,É'½,,ì Windows 3.x fAfvfŠfP□[fVf#f" (.Æ
Windows 3.x Ž©'í) ,ÅŽg,í,ê,Ü,μ,½□B□Å<ß,ì Windows ,Å,í,±,ì□î•ñ,ì,Ü,Æ,ñ,Ç,^a Windows
,ìfCfWfXfgfŠ.ÉŠi"l,³,ê□AINI ftf@fCf<,íŽã,Æ,μ,ÄÆÄ,çfAfvfŠfP□[fVf#f" ,Å,ì,YŽg,í,ê,Ü,·□B

INT 13h

ftf[]fbfs[]lfffBfXfN,Æfn[]lhfjffBfXfN,Éî,.,éfZfnf^fÆfxf<,Å,ìfffBfXfN,ì“Ç,Ý[]’,«‘€[]ì,ù,Æ,ñ,Ç,ð^μ,π^
ê”Ê“i,È BIOS,ì Š,,è[]ž,Ý[]B

IDE

Integrated Drive Electronics , à—BfRf“fgf[]f%“dŽq<Z[]p,ðfhf
%ofCfufn[]fhfEfFfA,Æ“[]µ,½fffBfXfNfRf“fgf[]f%ofCf“f^[]ftfF[]fX[]BIDE
,í,»è,Û,ÅfRf“fgf[]f<fj[]fh,É'¼[]Ú“z'u,³,è,Ä,ç,½%o%oŽZ,ðfhf
%ofCfu,É“[]µ,Û,µ,½[]B,»ìCE<%oÉ[]AIDE fhf%ofCfu,í}fU[]f{[]fh []ã,ì IDE
fRfjNf^,ðŽg,!,é,ì,ÅfofXfXf[]fbfg,ª•K—v, ,è,Û,¹,ñ[]B

“à•”f□f,fŠfLffffbfVf...

80486 ^È□ă,ì CPU ,É“□□‡,³,ê,Ä,ç,éf□f,fŠfLffffbfVf...□B“à•”f□f,fŠfLffffbfVf...,í CPU ,^a RAM ,É—
v<□,·,é•p“x,^aÄ,à□,,çff□[f^,ðŠi”[,μ,Û,·□B“à•”f□f,fŠfLffffbfVf...,í RAM ,Û,½,ÍŠO•”f□f,fŠfLffffbfVf...
,æ,è,à,·,î,â, CPU ,Éff□[f^,ð’—,é,ì,ÅfRf“fsf...□[f^,ì□^—□’→“x,^a”ò-
ô“l,ÉŒü□ă,μ,Û,·□B“à•”f□f,fŠfLffffbfVf...,ð□u^êŽžfLffffbfVf...□v□ufŒfxf< 1 fLffffbfVf...□v□uL1
fLffffbfVf...□v,Æ,à,ç,ç,Û,·□B

Š,,èž,Ý

CPU ,ÉŒ»Ÿ,ìì<Æ,ð'tŽ~,^{3,1}MŸt,^aŽw'è,·,é"Á•Ê,Ê-½—ß,ðŽÀŸs,^{3,1}éfn[fhfEfFfAfffofCfX,Ü,½,ÍŸ
ftfgfEfFfA,É,æ,Á,Ä'—ŸM,³ê,éŸMŸtŸB

IO.SYS

Windows 98/Me: DOS ,[\ffofCfXfhf%ofCfo](#),i“ü,Á,½vfXfef€ftf@fCf<B[MSDOS.SYS](#)
,àŽQÆ,μ,Ä,,¾,³,çB

IRQ

“üo—Í|[]fg[]AfL[]f{[]fh[]AfffBfXfnfhf%ofCfo,È,Ç,ìfffofCfX,^a [CPU](#) ,ÉfT[]frfX ([Š,èŽ,Ý](#)) ,ì—
v<[],đ’—[]M,·,éfn[]fhfEfffA,ì%oňü[]B

ISA

Industry Standard Architecture , ì—ª, Å□ufAfCfT□v, Æ"‰¹, μ, Ü, ·□B8 frjbfjg, Ü, ½, Í 16
frjbfjg, ìfj□□fh, ðŠg' £fXf□fjbfjg, É□·, μ□ž, p, ±, Æ, É, æ, Á, Ä, ³, Ü, ´, Ü, ÈfffofCfX, Ì'□□Y, ð‰Å" \, É, ·, éRf"fsf...
□[f^fofX□YÇv, ì—Ž ©, Å, ·□BEISA , àŽQ□Æ, μ, Ä, , ¾, ³, ç□B

fLOI

fŠfXfgf{fbfNfX

'l'ðžž,ìfìfvfVfþf",ìfŠfXfg,ð•\Žì,·,é GUI fRf"fj

□[fj"fg□Bfhf□fbfvf_fEf"fŠfXfg,Æ^Ù,È,è□AfŠfXfgf{fbfNfX,ì□€-Ú,í•K,·\

Žì,³,è,Ü,·□BfŠfXfgf{fbfNfX,ÉfìfvfVfþf",ð•\Žì,μ,«,è,È,ç□ê□#□AfŠfXfg,ì%o; ,ÉfXfNf□□[f;fo□],^a•\

Žì,³,è□AfŠfXfgfEfBf"fhfE,ìŽì—p,É,æ,Á,Ä□ã%o°,Ü,½,í□¶%oE,ÉfìfvfVfþf",ð^Ú"® ,Å,«,Ü,·□B

LAN

Local Area Network, ĩ—ª□B"äŠr"ICEÀ,ç,ê,½"Í^"à (,½,Æ,ı,Î 1 ,Â,İCEŠ•""à)
,É•ŽU"z'u,³,ê,éfRf"fsf...□[f^,ÆfffofCfX,İfof<□[fv□B'É□MfŠf"fN,Å'ŠCEÝ,É□Ú'±,³,ê,Ü,·□BLAN
,İfffofCfX,İ□Ú'±,³,ê,Ä,ç,é'¼,İfffofCfX,Æ'İ~b,Å,«,Ü,·□B
'É□í□ALAN ,É,Í<α'É,É•K—v,Èfvf□fOf%of€,âff□[f^,ð□ê-å,ÉŠi"l,·,éftf@fCf<fT□[fo□l
(,Ü,½,Í'P,É□ufT□[fo□[□v) ,ÆCEÀ,İ,ê,éfRf"fsf...□[f^,ª, ,è□Afİfbfgf□□[fNft□[fU□[ª,±,İ□î•ñ,ð—
v<□,·,é,Æ□v'¬,É%ž"š,μ,Ü,·□B

LAN

~_—[]ffjBfXfN

'•,çftf@fCf<-¼

DOS (,Æ Windows 3.x) ,iftf@fCf<-¼,ì•t,¯•û,É,í 8 fhfbfg 3 (,Â,Û,è 8 •¶Žš,Û,Â,iftf@fCf<-¼,Æ 3
•¶Žš,Û,Â,ìŠg'£Žq,ðfsfŠflfh,Å<æ∅,é) ,Æ,ç,ı§CEÀ,ª, ,è,Û,μ,½∅B'•,çftf@fCf<-¼,iftf@fCf<-¼,ð
255 •¶Žš,Û,Â'•,,Å,«,é Windows ,ì<@"\,Å,∅B'•,çftf@fCf<-¼,É%oÁ,ì,Â∅A∅Å∅Vfo∅[fWf#f",ì
Windows ,í^È'O,Éftf@fCf<-¼,ì†,ÉŽg,ı,Æ•s∅³,¾,Å,½•¶Žš ("¼Šp,ìfvf
%oX•,,∅†∅Afff"f}∅AfZf~fRf∅f"∅AfZf~fRf∅f"∅A"™ ∅†∅A∅¶%oE,ìŠpfjfbfR∅AfXfy∅[fX) ,ðfTf|
∅[fg,μ∅A'•,çftf@fCf<-¼,ì'å•¶Žš,Æ∅¬•¶Žš,ì<æ•É,ð"½%of,μ,Û,∅B'•,çftf@fCf<-¼,ì [Unicode](#)
•¶ŽšZfbfg,ðŽg,ç,Û,∅B

8 fhfbfg 3

fXfgfNf%oXf^

ff[f^,ª“ü,Ä,Ä,ç,é,ªftf@fCf<,Ü,½,ÍttHf<f_,ÅŽg,í,ê,Ä,ç,È,çfNf%oXf^,ðŽ!,· FAT,ì†,ìfGf“fgfŠ□B

'áfĈfxf<ftfH[]f}fbfg

ff[]f^,đŠi"[,Å,«,é,æ,ɹ,ÉŽŸ<CfffBfXfN,Ü,½,í¼,ì'Šúff[]f^<L%o~"}'ì,ì•\-Ê,đ€"ö,·,é^—

□□B'áfĈfxf<ftfH[]f}fbfg,ífgf%oofbfN□AfZfNf^□AfffBfXfN,ìff[]f^<L%o~—ì^æ,đ—

ÖŠsĈ`□-,·,é,½,β,É•K—v,É,»,ì¼,ìpf%of[]f^,đ'è<,μ,Ü,·□B□,fĈfxf<ftfH[]f}fbfg,đ□u•"—

□ftfH[]f}fbfg□v□ufn□[fhftfH[]f}fbfg□v,Æ,à,ç,ç,Ü,·□B

fn□[fhfffBfXfN,đŽg,ì,é,æ,ɹ

,É,·,é€"ö,ì'áfĈfxf<ftfH[]f}fbfg□Afp□[fefBfVf#f"•ªŠ,,□A□,fĈfxf<ftfH[]f}fbfg,ì□‡,É□i,β,Ü,·□B'Ê□í□

Aftf□fbfs□[fffBfXfN ,ì'áfĈfxf<ftfH[]f}fbfg,í□,fĈfxf<ftfH[]f}fbfg,Æ"—Žž,É<N,«,Ü,·□B

ŽŸCffBfXfN

ŽŸŠE,đŽg,Á,Äff[f^,đŠi"[.,.éfffBfXfN□B□Á,à^è"É"l,ÈŽí—
p,ìŽŸCffBfXfN,ífn□[fhfffBfXfN,Æftf□fbfs□[fffBfXfN,Á,□Bff□[f^<L%o¯,ÉŽg,í,è,é¼,ìŽí—
p,ìfffBfXfN (CD-ROM,É,Ç),à,è,Ü,;ª□AŽŸCffBfXfN,Æ,ç,æ—
pCEé,í'É□í,í'P,É□ufffBfXfN□v,Æ"˘,ÁŽg,í,è,Ü,□B

MAPI

Mail Application Programming Interface, je sada B "džqf" [f<, džTf] [fg, ., é API Bf} fCfNf fA
ftfg, É, æ, Á, ÄŠ", ³, ê DLL, Æ, μ, ÄŽÀÆ», μ, Ü, μ, ½ B

fVfXfef€ É MAPI DLL, ², ¶ Y, ., é, ±

, Æ, ð "FŽ", ., é fAfvfŠfP [fVf+f", Å, í A "džqf" [f<, ð'¼ Ú fAfvfŠfP [fVf+f", ©, ç' — M, Å, «, Ü, · B

f}fXf^[]fu[]fgfCFR[]fh

fn[]fhfffBfXfN,ifzfNf^,É"ü,Á,Ä,ç

,é[]î•ñ[]Bf}fXf^[]fu[]fgfCFR[]fh,ífffBfXfN,ifp[]fefBfVf#f"fe[]fuf<,đŠi"[,μ,ÄfffBfXfN,ifAfnfefBfu,É

fp[]fefBfVf#f" (flfyfCF[]fefBf"fOfVfXfef€,đf[]fh,·,é,½,ß,ÉŽg,xfp[]fefBfVf#f")

,đŽ·É,μ,Ü,·[]Bf}fXf^[]fu[]fgfCFR[]fh,ífffBfXfN,đfp[]fefBfVf#f"•ªŠ,,,·,éŠÖ,É[]î[]-,³,è,Ü,·[]B

MFT

Master File Table ,l-aB

Windows NT/2000/XP: [NTFS](#) —p,ÉftfH[f}fbfg,³,è,½fffBfXfNã,ìftf@fCf<<L
%o~^æ,đ•Ò¬,·,é,½,ß,ÉŽg,í,é,éfe[fuf<BMFT ,ìftf@fCf<,É,Â,ç
,Ä,ìî•ñ,ìšfCE[fVf#fif<ff[f^fx[fX,Á\¬,³,è,Ü,·Bfe[fuf<,ìs,ífffBfXfNã,ìCEÂX,ìftf@fCf<,Éí
%ož,μA—ñ,ìftf@fCf<,í'®<,É'í%ož,μ,Ü,·B,±
,ì•ûŽ®,Ä,ífffBfCEfNfjgš,ìftf@fCf<,Æ,μ,Ä^μ,í,êAff[f^ftf@fCf<,Æ,í'®<,a^Ù,È,è,Ü,·B

□''!%°%ŽZfRfvf□fZfbfT

•,“@□-□”“_□”,đŽg,Á,Ä□''!CevŽZ,đ,·,éfvf□fZfbfT,Å□Af□fCf“ CPU ,Æ<æ•Ê,³,ê,Ü,·□BfCf“fef<,ì
i486DX ,Ü,½,íf,fgf□□lf%°,ì 68040 ^Ê'O,ì CPU ,đŽg,Á,½fpfVfRf“ ,Å,Í□A□''!%°
%°ŽZfRfvf□fZfbfT,đ'□□Ý,·,é,Æ□"ŠwŠÖ□",âfOf
%°ftfBfbfNfXŠÖ□",ì'-“x,^aCEù□ă,μ,Ü,·□Bi486DX□A68040 ,Æ,»,ê^Ê□~,ì CPU f,fff<,Å,Í□Af□fCf“
CPU ,É□''!%°%ŽZfRfvf□fZfbfTŠÖ□",^a'g,Ý□ž,Ü,ê,Ä,ç,Ü,·□B

□Å'â%»

fEjBf"fhfE,ð□Å'â,ìfTfCfY,Ü,ÅŠg'â,·,é,±,Æ□B□Å'â

%»f{f^f",ðfNfŠfbfN,·,é,ÆfEjBf"fhfE,ª□Å'â,É,È,è,Ü,·□B(,·,Å,É□Å'â,É,È,Á,Ä,ç,é□ê□±□A□Å'â

%»f{f^f",í•\Ž|,³,ê,Ü,¹,ñ□B'â,í,è,ÉƐ³,É-β,·f{f^f",ª•\Ž|,³,ê,Ü,·□B)

□Å□-%»³,ê,½fEjBf"fhfE,ð□Å'â%»·,é,É,í□Af^fXfNfo□[É, ,éfAfCfRf",ð

%»EfNfŠfbfN,μ□AfRf"fgf□□[f<f□fjf...□[,ì□m□Å'â%»(X)□n,ðfNfŠfbfN,μ,Ü,·□B

MCI

Media Control Interface ,ì—ª□BWindows fAfvfŠfP□[fVf†f“ ,ª%°¹□º,Æ
%°f'œ,ì□Ä□¶,â<L~^,ðŠÜ,ß,Äf}f<f`f□fffBfAfffofCfX,ð□§CEä,Å,« ,é,æ,π,É,·,é□,□...
□€fCf“f^□[ftfF□[fX□B

”}’ì«L□qŽqfofCfg

fffBfXfN,ìfu□[fgfEjR□[fh’t,É, ,Á,ÄfffBfXfN,ìŽí—p,ðŽì,· 1 fofCfg,ìî•ñ□Bftf□fbfs□[fffBfXfN,ìŽí—p
(,½,Æ,ì,î□A1.44 MB ,ì 3.5 fCf“f` ,ìftf□fbfs□[fffBfXfN)
,âfn□[fhfffBfXfN,ì«æ•Ê,ðŽì,μ,Û,·□B”}’ì«L□qŽq,í FAT ,ì 1 fofCfg-Ú,É,àŠi”[,³,è,Û,·□B

f f, fš

ff[f^, aŠi"[, 3, êA, » , iŠi"[, 3, ê, ½ff[f^, ðCEÿ[ð, Å, «, éfRf"fsf...[f^fn[fhfEjFfA[B^è"Ê, Éf[f, fŠ, Æ, ç
, x—pCEê, í [RAM](#) , ðŽw, μ, Û, ·BfAfvfŠfP[fVf#f" , ðŽÀ[s, μAfvf[fOf%of€
, iŽÀ[s'+êŽž"l, Éff[f^, ðŠi"[, ·, é, ½, ß, ÉŽg, í, ê, Û, ·B

f f, fŠf Afhf CefX

fRf“fsf... [f^, if f, fŠ, ì'†, ì“Á'è, ìêŠ, ðŽì, ·d•; ì, È, ç Ž-•Ê”Ô† B CPU, í f, fŠf Afhf CefX, ðŽw'è, ·, é, ±, Æ, É, æ, Å, Ā f f, fŠ, ì“Ç, Ý, «'€ì, ðŽÀs, μ, Ü, ·B

f□f,jŠ□í“fv□fOf%of€

f f f f ...

f f v j v f f f " , l f Š f X f g B f f f f ... [, É , , é f l f v j v f f f " , đ f N j Š f b f N , · , é , Æ A " ® ì , a Ž À s , 3 , è , Û , · B

fñfjf...ñ[fñ

'ÉñífEjBf“fhfE, ñÅñã•”, É, ,é'••ûCE`, ñfññ[, Åñ\ñ¬,³,ê,é GUI fRf“fñ[fñf“fgñBfñfjf...ñ[fññ[, ífñfjf...
ñ[. ñfŠfXfg, ð%ñ; É•Å, ×, Å•Ž!, μ, Û, ·ñBftñ[fUñ[. [ñfñfjf...ñ\[](#), Å 1
, Å, ð'l'ð, ·, é, ÆñA, »ê, ÉŠÖñW, ·, éfñfñfñfñfñ“, ð•\Ž!,³,ê, Û, ·ñB

f[]fbfZ[][fW

fAfvfŠfP[][fVf#f",ÆfAfvfŠfP[][fVf#f",ª[]ì[]¬,·,éEfBf"fhfE,ª[]î•ñ,ð"`,|,é,½,ß,ì^èŽŸ"l,ÈŽè'i[]B,½,Æ,l,î
[]Af{f^f",ðfNfŠfbfN,·,é,½,Ñ,Éf{f^f",ªfNfŠfbfN,³,è,½,±,Æ,ðŽl,·f[]fbfZ[][fW,ªfAfvfŠfP[][fVf#f",É'—
,ç,è,Û,·[]B

MIDI

Musical Instrument Digital Interface , ì—ª, Å□uf~fffB□v,Æ"‰¹,µ,Û,·□BfRf“fsf...
□[f^□Afvf“fZftfCfU□AŠyŠí,ì□î•ňĀđŠ·đ‰Å“\,É,·,éj\ftfgfEjFfA,Æfn□[fhjEjFfA,ì•W□€□B

□Å□¬%»

fEjBf“fhfE,đf^fXfNfo□[,İfAfCfRf“,É□k□¬,·,é,±,Æ□BfAfvfŠfP□[fVf†f“,Í‘¼,İ□ì<Æ,đ,μ,Ä,¢
,éŠŌ,ÉfobfNfOf%ofEf“fh,Åfvf□fOf%of€,đŽÀ□s,·,é,½,ß,É•p”É,É□Å□¬
%»»,³,ê,Û,·□BfEjBf“fhfE,İf^fCfGf<fo□[,Å□Å□¬%»»f{f^f“,đfNfŠfbfN,·,é,Æ□AfejBf“fhfE,đ□Å□¬
%»»,Å,<,Û,·□B□Å□¬%»»,μ,½fAfvfŠfP□[fVf†f“,đĈ³,İfTfCfY,É-
ß,·,É,İf^fXfNfo□[,Å,»,İfAfvfŠfP□[fVf†f“,İf{f^f“,đfNfŠfbfN,μ,Û,·□B

f}fU[f{[fh

fRf“fsf...[f^“à•”,ižâ%ñ~HŠî”Â□BCPU□Af□f,fŠf`fbfv□AfofXfRf“fgf□□[f%□A,»),ì¼,ì
%ñ~H,ª”z’u,³,è,éŠî”Â□BŠg’£f{□[fh,È,Ç,ì¼,ìŠî”Â,àf}fU□[f{□[fh,É□Ú’±,Å,«,Ü,·□B

f}fEf“fg

- “ —□fffBfXfN□A~ —□fffBfXfN□Afe□[fvfhf%ofCfu, ðfRf“fsf...□[f^, ìftf@fCf, fVfXfef€
, ÉfAfNfZfX, Å, «, é, æ, ɹ, É, ·, é, ±, Æ□B

MPC fCEfxf< 2

fp[]f\ffif<fRf“fsf...[]f^—p,ì•W[]€f}f<f`f[]fffBfA<@”\,ð<L[]q,·,é,½,ß,É Software Publishers Association ,ì PC []ì<ÆfOf<[]fV,ª’è<` ,·,éŽd—l[]B

MPC fCEfxf< 2 •W[]€ ,É[]€<’ ,·,éjVfXfef€ ,íŽŸ,ì<@”\,ð”ð,ì,Ü,·[]B

💡 25 MHz 486SX ^È[]ă,ìf}fCfNf[]fvf[]fZfbfT

💡 4 MB ,ì RAM[]i[],,[]\$,í 8 MB[]j

💡 []F[]” 64KB ^È[]ă[]A%ođ’œ“x,u,f,`[]i640[]~480[]j ^È[]ă,ìfrfffiffBfXfvfCEfC’•’u

💡 •½<ì,S,O,Of~fŠ•b^È%o°,ìfV[][fNŽžŠÔ,ì 2 ” {‘~[]i2X[]j CD-ROM fhf

%ofCfu[]Afj}f<f`fZfbjVf†f“[]AftfHfg CD <@”\•t,«

💡 16 frfbfg%o¹[]º<@”\

MSDOS.SYS

Windows 98/Me: DOS ,ìj] [f]f<, à“ü, Á, Ä, ç, é, vfxfef€ftf@fCf<@BIO.SYS , àŽQ [Æ, μ, Ä, -, ¾, ¾, ç [BDOS , â [‰Šú, ì Windows , Å, ±, ìftf@fCf<, ìf]fyf€ [fefBf“fOfVfXfef€, ìfAfNfefBfufRf“f] [f]f“fg, Å, μ, ½ [B [Å<ß, ì Windows , Å, í [Ý’èftf@fCf<, Å, · [B

f}f`f^fXfN

1 'ä,lfRf"fsf...[f^,Å•i□",lfvf□fOf%of€,"~Žž,ÉŽÀ□s,Å,«,é,æ,α,É CPU ,δ<α—L,·,é,±
,Æ□Bf}f`f^fXfN,Í^ê©,·,é,Æ•i□",l□^—□,ª"~Žž,É<N,«,Ä,ç,é,æ,α,É©,!,Ü,·□BŽÄ,í-{"-
,É•i□",lfvf□fOf%of€,"~Žž,ÉŽÀ□s,Å,«,é,ì,i•i□",l CPU ,Æf}f`f^fXfN,δfTf|
□[fg,·,élfyf□□[fefBf"fofVfXfef€ (Windows NT/2000/XP□AUNIX□AOS/2 ,É,Ç) ,δ"ö,!,½fRf"fsf...
□[f^,ì,Ý,Ä,·□B'P^ê,ì CPU fVfXfef€,lf}f`f^fXfN<Z□p,δ<ìŽg,μ,Äf}f`f^—□,ì-í,í,δ,μ,Ä,ç
,Ü,·□Bf}f`f^fXfN<Z□p,ì 2
,Ä,Æ,μ,Äfvf□Egf"fvfefBfuf}f`f^fXfN,Æ<!'²"l,Éf}f`f^fXfN,ª, ,è,Ü,·□B

fifbfjff

f+[]fU[]ŠŌ,Åî•ñ,Æfn[]fhfEjFfA,ð<α—L,·,é-Ú“i,ÅA'Ê[]M%oňü,Ü,½,í,»,'¼,ìžè'i,Å'ŠŒÝ,É[]Ú'±
,³,ê,½fRf“fsf...[]f^,ÆŠŌ~Afn[]fhfEjFfA,ìOf<[]fv[]B

fifbfjgff[]fNfCf“f^[]ftfF[]fXfj[]fh

flfbfgf[]fNfT[]fo[]

[flfbfgf\[\]fN\[\]](#)ã, ì¼, ìRf“fsf...[]f^, ãftj@fCf<, ÉfAfNfZfX, Å, «, é, æ, ɹ, É, μ[]A, », ê, ç, ìRf“fsf...
[]f^, É[]W'+CE^, ì<ɹ—LjT[]fjfX, ð (fvf[]fOf%of€[]A<L%oo^-æ[]A'É[]M, ðŠÜ, ß, Ä) 'ñ<ÿ, ·, éfRf“fsf...
[]f^[]B

NIC

Network Interface Card , ì—ª□BfRf“fsf...□[f^, ð [LAN](#) , É□Ú'±, ·, é, Æ, «, ÉŽg, í, ê, é%ñ~HŠî”Â□B

NMI

Non-Maskable Interrupt, [ifCfxf"fg,đ,·,®,É^—,·,é,½,β,ÉŽg,í,è,éŠ,,èž,ÝBCPU](#)
,É, ,é"Á•Ê,Ê NMI fsf",É'¼ÚÚ'±,³,ê,Ä,ç,Ú,·B

•sŠö”□◀f□f,fš

“dĀ¹,đ∅,Á,Ä,àff□f^,đ•Ů,Ä,éŽí—p,}fRf“fsf...□[f^f□f,fš□BROM□AEPROM□AEEPROM□Aftf
%o**f**Vf...f□f,fš,í•sŠö”□◀f□f,fš,Å,·□B

NTFS

NT File System, à Windows NT fífyfÇ[fefBf“fOfVfXfef€—p,ÉŠJ”-
,³,é,^{1/2}ftf@fCf<fVfXfef€ BNTFS, í FAT ftf@fCf<fVfXfef€,æ,è,àÇø—|“l,É’â—e—
Êfn[fhfffBfXfN,Æftf@fCf<,ðTf| [fg,µ,Û,· BNTFS,É,ífnfCfGf“fh,ìŠé<ÆÇÛ, ftf@fCf<fVfXfef€
,É,à“K [‡,·,é^{1/2},,ì<@”\,â’Ç%oÁ,³,é,À,ç,Û,· B

- 💡 ‘g,Ý [ž,Ýff [f^fZfLf...fŠfefB
- 💡 “ñ [dff [f^Ši” [<@”\,É,æ,é-â’è,ì<—e [«,Æff [f^%oñ•œ
- 💡 ff [f^ ^³ [k
- 💡 ,æ,èÇø—|“l,Èff [f^Ši” [,Æ’â—e—Ê,iffBfXfN,âftf@fCf<,ì“Ç,Ý [ž,Ý

flfufWfFfNfg

□^—□□AfxfEfbfh□Aftf@fCf<□A□f□f,š,lfZfNfVf†f“□A•” —□fffofCfX,È,C□A<α—L%ooÂ”\,ÈfVfXfef€fšf\ □[fX,đ•\,· Windows NT/2000/XP ,i•W□€,iff□[f^CE^□Bfšf\□[fX,ìCE^,²,Æ,É 1 ,Å,lfifufWfFfNfgCE^,Å<L□q,³,è,Ü,·□Bfšf\□[fX,đ•\,·flfufWfFfNfg,²•K— v,É,É,é,Æ□AflfyfCE□[fefBf“fOfVfXfef€ ,í“K□Ø,ÈflfufWfFfNfgCE^,lfCf“fXf^f“fX,đ□ì□¬,μ,Ü,·□BflfufWfFfNfg,í Windows ,lfifufWfFfNfgf}f□[fWfffRf“f□[flf“fg,É,æ,Å,Ä□ì□¬,³,è□A-¼’O•t,¯,³,è□AŞÇ—□,³,è,Ü,·□B

llyfCEllfBf"foVfXfe€

fRf"fsf...llf^ž©'ì,đ"®,©,·Šì-{}§CEä\ftfgfEjFfA□BfRf"fsf...llf^,ì<N"®Žž,É□Å□%
,É□f.fš,Éf□□lfh,³êfRf"fsf...llf^,ìŽÀ□s't,Éf□f,fš□ã,ÉŽc,éfvf□fOf%of€□BfllyfCEllfBf"foVfXfe€
,lfRf"fsf...llf^,lfVfXfe€fšf□lfX (CPU ,ì□^—□ŽžŠŎ□A□f□f,fš□AfffBfXfN—e—
É□Afvfšf"f^,âfffBfXfvfCEfC,É,Ç,ìŽü•Ŏ<@Ší) ,ìŽg,ç•û,ÆŠ,,,è"—
,Ä,đ□§CEä,μ,Û,·□B,·,×,Ä,lfAfvfšfP□lfVf†f",lflyfCEllfBf"foVfXfe€,Æ'í~b,μ,ÄfvfXfe€fšf\
□lfX,Ŏ,lfAfNfZfX,đŽæ"³/₄,μ□A,·,×,Ä,lfAfvfšfP□lfVf†f",ì<@"\,ì□YCEv'í□Û,lflyfCEllfBf"foVfXfe€
,É,æ,Ä,Ä□§CEÄ,³,è,Û,·□B

OEM

Original Equipment Manufacturer ,ì—ª□B, ,é%oižĐ,ª□»'č,μ,½fn□[fhfEjFfA,đ•Ê,ì%oižĐ,ª (•K—
v,É%ž,¶,Äžè'¼,μ,μ) fpfbfP□[fW,đ□ì,è'¼,μ,Ä"ì" „, ,éCE`Ô,Û,½,Í,»,ì□»•i□B“ ,¶—pCEê,đf
ftfgfEjFfA,É,Â,č,Äžg,±,±,Æ,à, ,è,Û,·□B

fy[]fwftj@fCf<

fy[]fW[]^—[]

Windows NT/2000/XP: Windows ,Í,Ç,ì[]^—[],É,à 4 GB ,ì%¼'zfAfhfCEfX<óŠÔ ([]^—
[],Æ,» ,ìfxfCEfbfh,ªŽg,ì,éfAfhfCEfX<óŠÔ) ,ð<-%Å,μ,Û,·[]B,μ,©,μ[]A,Û,Æ,ñ,Ç,ìfRf“fsf...
[][f^ ,ªŽÅ[]Û,É“<[]Û,μ,Ä,ç,é•—[]ff,fŠ (RAM) ,í 4 GB -ç-ž,Å,·[]B—~—p%Å“\,È RAM ,ª,ç,Á,ì,ç
,ì,Æ,«[]AWindows ,ìff[]f^ ,ì^è•”,ð^èŽž“ì,È RAM ,©,çfffBfXfN,É^Û“®,μ,Äff[]f,š,ð<ó,¯,Û,·[]B,±
,ìff[]f^ ,ì%¼'zf[]f,fŠDEF_VIRTUAL_MEMORY,ÉŠ,,è“- ,Ä,ç,é,½,±,Æ,É,È,è,Û,·[]B
fffBfXfN,É^Û“®,³,è,½[]î•ñ,ð[]^—[],Û,½,ìfxfCEfbfh,ªfAfNfZfX,μ,æ,x,Æ,·,é,Æ[]AWindows ,Í—
v<[],³,è,½ff[]f^ ,ðfffBfXfN,©,ç RAM ,É-ß,μ,Û,·[]Bff[]f^ ,ì[]ufy[]fW[]v,ÆCEÄ,ì,è,é,©,½,Û,è,Æ,μ,Ä
RAM fffBfXfN,ìŠÔ,ð^Û“®,·,é,ì,Å[]A,±,ì[]^—[],ð[]ufy[]fW[]^—
[]v,Û,½,ì[]ufy[]fWf“fO[]v,ÆCEÄ,Ñ[]A^èŽž“ì,Éff[]f^ ,ª“ü,éfffBfXfN[]ä,ì“Á•È,Èftf@fCf<,ðfy[]fWf“fO
ftf@fCf<,Æ,ç,ç,Û,·[]B

fpfŒfbfg

%œ-Ê,ìF•t,̄,ÉŽg,κF,ìZfbfgB

fp [fefBfVf#f#

flfyfCE [fefBf"foVfXfef€

,a'P^e,i'•'u,Æ,μ,Å^μ,κfn [fhfffBfXfN,i"••a□B'É□□AfffBfXfN,lfp [fefBfVf#f#,lfhf%ofCfu-¼,i
%opŽš,ÅŽ^-•É,³,ê□A,»ê,¼,ê,δ^U,É,éftf@fCf<,âflfyfCE [fefBf"foVfXfef€—
p,ÉftfH□[f}fbfg,Å,«,Ü,□B

Windows NT/2000/XP ,l,æ,κ,É^è•",lflyfyfCE [fefBf"foVfXfef€,í^U,È,é•" —□fffBfXfNfhf
%ofCfu□ä,i•;□",lfp [fefBfVf#f#,δ (%opŽš 1 •qŽš,Å,lfhf%ofCfu-¼,ÅŽ^-•É,•,é) 'P^è,lfBfXfNf{fŠf...
□[f€,Æ,μ,Å^μ,i,Ü,□B,»κ,•,é,±,Æ,Åftf@fCf<fAfNfZfX,δ□, '¬%o»,Ü,½,lfH□[f<fgfgfCEf%of"fx (1
'ä,lfn□[fhfffBfXfN,ªCEì□á,μ,Ä,àVfXfef€,l'âŽ~ ,δ-h,®•ûŽ®) ,δŽACE»,Å,«,Ü,□B

,C,lfu□[fg%Å"lfn□[fhfffBfXfN,É,à"C^Ó,lflyfyfCE [fefBf"foVfXfef€—p,l 1
,Å,lfp [fefBfVf#f#,ª, ,è□Afrf"fsf...□lf^,l<N"® ,ÉŽg,κlflyfyfCE [fefBf"foVfXfef€,δ,»,±
,ÉŠi"l,μ,Ü,□BflfyfCE [fefBf"foVfXfef€,Å'P^è,lfn□[fhfffBfXfN,δ•i□",l~_=
□fffBfXfN,Æ,μ,Å^μ,i,é,æ,κ,É,•,é,É,lfAfn□[fhfffBfXfN,É□uŠg'£fp [fefBfVf#f#□v,ªK—
v,Å,□BŠg'£fp [fefBfVf#f#,í 23 CEÅ,Ü,Å,l'Ç%oÅ,l~_—□fffBfXfN,É%oª^É•ªŠ,,Å,«,Ü,□B

FDISK (Windows NT/2000/XP ,lfBfXfNŠČ—□ft□[fefBfŠfefB) ,lfp [fefBfVf#f#,Æ~_—
□fffBfXfN,δ□□¬,•,é,±,Æ,É,æ,Å,Åfn□[fhfffBfXfN,δŽg,l,é,æ,κ,É□€"ö,•,éfvf□fOf%of€
,Å,□Bfn□[fhfffBfXfN,δfp [fefBfVf#f#,É•ªŠ,,•,é,Æf}fXf^□[fu□[fgfCEfR□[fh,Æfp [fefBfVf#f#fe□[fuf<
,ª□□¬,ª,è,Ü,□Bftf□fbfs□[fffBfXfN,Éfp [fefBfVf#f#,l•K—v, ,è,Ü,¹,ñ□B

fn□[fhfffBfXfN,δŽg,l,é,æ,κ,É,•,é□€"ö,í•" —
□ftfH□[f}fbfg□Afp [fefBfVf#f#"•ªŠ,,□A□,fCEfxf<ftfH□[f}fbfg,ì□‡,É□i,ß,Ü,□B

fp [fefBfVf#f"fe [fuf<

• " — fffBfXfN, ì } fXf^ [fu [fgfCfR [fh, ì †, É, , é î • ñ B • " — fffBfXfN, ð f l f y f C [fefBf" fO fV fX f e f €
, É • \C e », ·, é, ½, ß, É 1 , Â ^ É ã, ì fp [fefBfVf#f" , ð ' è < ` , μ, Û, · B

fpfX

fffBfXfN,iftfHf<f_cjŠ□□,ì†,É,“,̄,é“Á`è,iftf@fCf<,Ü,½,iftfHf<f_ìèŠ□Bftf@fCf<,Ü,½,iftfHf<f_ìâ’îfp
fX,íf<□□f□fffBfCfNfgfŠ.©,çŠJŽn,μ□A,»,ì%°^É,É, ,éftfHf<f_ì-¼’O,đ□‡,É—ñ<L,μ□Aftf@fCf<-
¼,Å□,í,éĀ`Ž®,Å,·□B

PATH ,íflyfC□□[fefBf“fOfVfXfef€,ìŠÂ««•ï□”,ì-¼’O,Å,à, ,è,Ü,·□BPATH ŠÂ««•ï□”,í•K—
v,Èftf@fCf<,ªĀ»□Ý,iftfHf<f_É,É,ç,Æ,«,ÉflfyfC□□[fefBf“fOfVfXfef€
,ªĀÿ□đ,·,éftfHf<f_ífŠfXfg,đ<L□q,μ,Ü,·□BPATH
ŠÂ««•ï□”†,iftfHf<f_ì□‡□~,íflyfC□□[fefBf“fOfVfXfef€,ªĀÿ□đ,·,é□‡□~,É,È,è,Ü,·□B

PC fJ[fh

PC fJ[fhfXf[fbfg,ÉŽù,Ü,é,æ,α,ÉŸŒv,³,ê,½f,fff€[Afn[fhfffBfXfN[Aff[f^<L
%~fffofCfX,É,Ç,lfRf“fsf...[f^,ìŽü•Ó<@Ší[B‘Éí,lf|f^fuf<fRf“fsf...[f^,ÉŽg,í,ê,Ü,·[BPC
fJ[fh,ìc%:jTfCfY,lfNfŒfWfbbfgfJ[fh,Æ,Ù,Æ,ñ,Ç“~,¶,ÅŒú,³,í,ç,ë,ç,ë,Å,·[BPC
fJ[fhfCf“f^ [ftfF[fX,í PCMCIA (Personal Computer Memory Card International Association)
,Å‘è<,³,ê,Ü,·[B^È‘O,í PC fJ[fh,ì,±,Æ,đ[uPCMCIA fffofCfX[v,ÆŒÄ,Ñ,Ü,μ,½[B

fvf%ofOfAf“fhfvfCfC

fRf“fsf...[f^,ìžü•Ó<@Ší,ðflfyfC□[fefBf“fOfVfXfef€,É,æ,Á,ÄŽ©“®“l,É□Ý’è,Á,«,é<ÆŠE•W□€
,ì<@□□Bfvf%ofOfAf“fhfvfCfC,ª, ,é,Æfn□[fhfEjfFA,ð’g,Ý□ž,p,Æ,«,ÉfWfff“fp,â,»,ì¼,ì□Ý’è,ðŽè“®,
Å•ì□X,·,éžèŠŌ,ª□É,□Afn□[fhfEjfFA,ì•ì□XCEã,É (,½,Æ,ì,ì□APC fj□[fh,ð’}“ü,μ,½,è|
□[f^fuf<fRf“fsf...[f^,ðfhfbfLf“fOfXfe□[fvf#f“,É,Á,È,°,½CEã,Ä) fRf“fsf...[f^,ð□Ä<N“®,·,é•K—
v,ª,É,,È,è,Ü,·□Bfvf%ofOfAf“fhfvfCfC,ìfvfXfef€<K-ì,ì□Ý’è,ð“®“l,É•ÚŽç,·,é,±
,Æ,É,æ,Á,Ä□A□Ä□V,ì□î•ñ,ð’È□M,Ä,«,é BIOS ,âfvf%ofOfAf“fhfvfCfCfn□[fhfEjfFA,ðfTf|
□[fg,·,éflfyfC□[fefBf“fOfVfXfef€,Æ~ACEg,μ,Ä“,«,Ü,·□B
Windows 98/Me ,É,ì’g,Ý□ž,Ýfvf%ofOfAf“fhfvfCfCfTf|□[fg,ª, ,è,Ü,·□B,±,ì<@“\
,ì□Å□V,ì□Ý’è□î•ñ,ðfCfWfXfgfS,ÉŠi“[μ□A□Ý’è,É•ì□X,ª<N,«,é,Æ,ç,Ä,Ä,à,»,è,ð□X□V,μ,Ü,·□Bfvf
%ofOfAf“fhfvfCfC,ðfTf|□[fg,·,éfAfvfŠfP□[fvf#f“,ìfvfXfef€□Ý’è,É•ì□X,ª, ,é,Æ,ç,Ä,Ä,à Windows
,É,æ,Á,Ä’È’m,³,è,Ü,·□B

•" — fffBfXfN • Ò —

fffBfXfN \ ç, ð à - 3/4, ·, é ê ð †, É fffBfXfN ã, É • " — " I, É ' ¶ Ý, ·, é, à, ì, ð Ž w, μ, Ü, · ð B, Ü, 1/2, í A1, Â, ì • " —
" I ' P ^ Ê, Â, , é fffBfXfN ' S ' ì, ð Ž w, · ê ð †, à, , è, Ü, · ð B ~ — fffBfXfN • Ò —, Æ " ä Š r, μ, Â, , 3/4, 3, ç ð B

f|lf

ff[f^,^Rf"fsf...[f^,Éo"ü,è,·,é,Æ,«,É'Ê%ß,·,éRf"fsf...

[f^,Ü,½,ífn[fhfEfFfAfffofCfX,í^è" BfRf"fsf...[f^,í|

[fg,ð'É,μ,ÄvfŠf"f^ AfjBfXfvfCfC Af,fff€,ÆÚ'±,μ,Ü,· Bf|fg,É,æ,Á,Ä,íRf"fsf...[f^,í"à·",É,
,è Af,fff€,í,æ,α,É"à·",ÄÚ'±,³,ê,Ä,ç,é,±,Æ,à, ,è,Ü,· B,»,ì,½,ßSO,©,çCE©,í,é|

[fg,ì",æ,è,à'½,,í| [fg,ì",ð·ñ,·,é,±,Æ,ª, ,è,Ü,· B

f}f`f^fXfN

[f}f`f^fXfN](#), ì`èží□BfIfyfCE□[fefBf“fOfVfXfef€, ^a [CPU](#) , ì□^—□ŽžŠÔ, ðfRf“fsf...
□[f^, ÅŽÅ□s+t, [fXfCEfbfh](#), ÉŠ,,, è“- , Ä, Ü, ·□BfVfCEfGf“fvfefBfuf}f`f`f^fXfN, fXfCEfbfh, É^È‘¶, ·, é, ±, Æ, È, CPU , É-¾, ~“n, ·, Ì, Å□A1 , Å, fAfvfŠfP□[fVf†f“, ðfVfXfef€, ð“Æ□è, ·, éŽ-Ô, ð-h, °, Ü, ·□B, ±, è, Æ‘î□Æ“l, È, ì, ð, ‘²“l, [Èf}f`f`f^fXfN](#), Å, ·□B

Windows , Í CPU ŽžŠÔ, ð□uf^fCf€fXf%ofCfX□v, Ü, ½, Í□uŽžŠÔ—È□v, Æ, †, x—
£ŽU“l, ÈŽžŠÔ‘P^È, ÅŠ,,, è“- , Ä, Ü, ·□B, ±, è, ç, ìŽžŠÔ‘P^È, ðfXfCEfbfh, Ì‘Š‘l, È—D□æ“x, ÉŠî, Å, †, ÅfXfCEfbfh, ÉŠ,,, è“- , Ä, Ü, ·□B—D□æ□†^È, Í—
v^ö, ì□”, É^È‘¶, µ, Ü, ·□BfXfCEfbfh, fIfyfCE□[fefBf“fOfVfXfef€, É, æ, Á, Å~A‘±“l, É□Ä—
D□æ□†^È•t, ~, ³, è, Ü, ·□B

f}fEfX,ì¶f{f^f“

GUI ,ì‘€ò,ÅÅ,à,æ,Žg,xf}fEfXf{f^f“□B

•W□€,ì%oE—~ ,«—p,lf}fEfX,ì¶f{f^f“ ,ð¶f—~ ,«ft□[fU□[,É□#,x,æ,x,É Windows
,lfRf“fgf□□[f<fpflf<,Å•ì□X,Å,« ,U ,□Bf}fEfX,ì%oEf{f^f“ ,àŽQ□Æ,μ,Ä,,¾,¾,ç□B

^êŽŸfEfBf“fhfE

fAfvfŠfP□[fVf†f“,lŽâ—v,ÈfEfBf“fhfE□B□u^êŽŸ□v,Æ,ÍfAfvfŠfP□[fVf†f“,É,“,̄,éfEfBf“fhfE,ì<@”\ ,òŽw,μ□A•K,„,μ,à 1 ,Â-Ú,Û,½,Í—B^ê,lfEfBf“fhfE,Æ,ç,α^Ó-¡,Å,Í, ,è,Û,¹,ñ□B

□^—□

“Á'è,ìf^fXfN,ð□<□s,·,éfvf□fOf%of€□A,Û,½,ìfvf□fOf%of€,ªŽÀ□s,·,é^è~A,ìfXfefbfv□B

□^—□,ìfvf□fOf%of€,ì,½,ß,ìšf\□[fXš,,è“- ,Ä,ìšî-{'P^Ê,Å,·□B1 ,Ä,ì□^—□,É,Í 1 ,Ä,ìfvf□fOf%of€Ž©'ì
(fXfefbfv,ì□W,Û,è,Æf^fXfN,ð□<□s,·,é,½,ß,É•K—v,Ëff□(f^)^□Afvf□fOf%of€

,ªf^fXfN,ð□<□s,·,é,½,ß,ÉŽg,ì,éf□f,fšfAfhf€fX<óšÓ□Afvf□fOf%of€,É•K—v,È,»,ì'¼,ìfvfXfef€fšf\
□[fX,Å,·□Bfìfyf€□[fefBf“fOfVfXfef€,ì'¶□Y,·,é□^—□,Éšî,Ä,ç,Äf^fXfN,ð•Ò□¬,µfšf\□[fX,ðš,,è“-
,Ä,Û,·□B

,Ç,ì□^—□,É,à□Á'á 1 ,Ä,ìžÀ□s,ìfXf€fbfh,^a, ,è,Û,·□B,»,µ,ÄfvfXfef€fšf\□[fX,ð□Á,à€ø—!“ì,Éžg,ª
,½,ß,É□A,Û,Æ,ñ,Ç,ì 32 frfbfg□^—□,É,ì•i□”,ìfXf€fbfh,^a, ,è□A□^—

□,ìžÀ□s,É,Ä,è,ÄfXf€fbfh,^a□ì□¬,³,è□í□œ,³,è,Û,·□B

PROM

Programmable Read-Only Memory , à — □ B “ Á • Ê , È fn □ [fhfEjFfA, ð Ž g, Á, Äfvf □ fOf % of € , · , é [ROM](#)
, ì ^ è Ž í □ B , ± , ê , ç , ì f ` fbfv , ì f ^ fbfv , ì □ » ‘ ç □ H ’ ö , © , ç , í “ Æ — § , μ , ½ □ H ’ ö , Æ , μ , Äfvf □ fOf % of €
, ð , ê , Ü , · □ B [EPROM](#) □ [EEPROM](#) □ [Aftf % of b fVf ... f □ f , f Š](#) , Æ ^ Ù , È , è □ A , ç , Á , ½ , ñ fvf □ fOf % of € , μ , ½ ROM
, í □ Äfvf □ fOf % of € , Ä , « , Ü , ¹ , ñ □ B

fvf□f“fvfgf{f^f“

fhf□fbfvf_fEf“fŠfXfg,Ü,½,Ífhf□fbfvf_fEf“fRf“f{f{fbfNfX,ì%oE,É•\Ž! ,³,ê,é%oo-î^ó,ª•t,ç
,½□¬,³,çfAfCfRf“□BfNfŠfbfN,·,é,Æ□A'I'đfŠfXfg,ª-¼'O□‡,Ü,½,Í“ú•t□‡,É%oo•ûŒü,É•\Ž! ,³,ê,Ü,·□B

fvf[]fpfefBfV[]lfq

flfufWfFfNfg,lfvf[]pfefB,Ü,½,Ílfv[]Vf#f“,ð[]Ý’è,Å,«,éf_fCfAf[]fOf{fbfNfX[]B

fvf[]fefNfgf,[]fh

“@[]f,[]fh,ì 1 ,Â[]Bf[]f^f^XfN,đfTf|[]fg,μ 1 MB ,đ´,|,éf[]f,fŠ,đŽg,|,é,æ,α,É,·,éf,[]fh[]B
Windows 98/Me ,Å,í [32-bit](#)fAfvfŠfP[]fVf#f“,ífvf[]fefNfgf,[]fh,ÅŽÀ[]s,³,ê[]A16-
[bit](#)fAfvfŠfP[]fVf#f“,í’P^è,íf[]f,fŠ<óŠÔ,đ<α—L,μ,ÅŽÀ[]s,³,é,Ü,·[]BWindows NT/2000/XP
,Å,ífAfvfŠfP[]fVf#f“,í}f<f^fXfN,ÅŽÀ[]s,³,ê[]A16-bitfAfvfŠfP[]fVf#f“,í“Ç,β,Ü,¹,ñ[]B
[%o¼’z\[\]f,fŠ](#),đŽg,α,½,β,É,à CPU ,ífvf[]fefNfgf,[]fh,Å“@[]ì,·,é•K—v,², ,è,Ü,·[]B

fvbfVf...f{f^f“

æ“Ç,ÝfLffbfVf...

ffBfXfNfLffbfVf..., ÅffBfXfN, ©, ç, ìî•ñ, ìŽæ, èo, µ, ð' -, -
, ·, é, ½, ß, Ê^ ê” Ê, ÊŽg, í, é, éfLffbfVf... <ZpB, ±, ì<Zp, ðŽg, Á, ÅfRf“fgf[f%o, í CPU, a—
v<, ·, éŽŸ, ìff[f^, ð—\’^a, µ, æ, x, Æ, µA’O, à, Á, Åff[f^, ð (’Êí, í CPU, afAfCfhf<ó’Ô, ÌŠÔ, É) RAM
, É”]’—, µ, Û, ·BRAM, ©, çff[f^, ðŽæ, èo, ·, ì, ìffBfXfN, ©, ç“Ç, Ýž, p, æ, è, à’ -, ç, ì, ÅfLffbfVf... fqfbfg
—, ìCE<%oÊ, ìfVfXfef€, ì^—’—“x, ìCEüã, É, Á, Ê, a, è, Û, ·BVCACHE, ÆCEÁ, Ì, é, é Windows
, ìffBfXfNfLffbfVf..., ìæ“Ç, ÝfLffbfVf..., Å, ·B

“Ç,ÝŽæ,èé—p’@«

,±,ìftf@fCf<’@«,íä’,«AíœA^Ú”@,Å,«,È,çftf@fCf<,ðŽˆ•Ê,μ,Û,·B

’·çftf@fCf<-¼,ð\,·ffBfœfNfgfŠfGf”fgfŠ,É,í{fŠf...í{f%ofxf<’@«A%B,μ’@«A“Ç,ÝŽæ,èé—p’@«,AíVfXfef€’@«,íZfbfg,^a,è,Û,·B,±,ìftf@fCf<’@«,ì’g,Ýí,í¹,í’,çftf@fCf<-¼,É“Á—L,Å,·B

“Ç,Ý”, «fwfbfh

Ž¥<CfffBfXfN, ífffBfXfN•\–Ê, É‘í, µ, Äff□[f^, ð“Ç, Ý□’, «, ·, éfffBfXfNfhf%ofCfu, ì□\□–•”•i□B–¹/₄–
Êftf□fbfs□[fffBfXfN, lfhf%ofCfu, É, ífffBfXfN, ì 2 , Ä, ì“Ç, Ý□’, «fwfbfh,^a, , è□AfffBfXfN, ì•\, Æ
– , ÉŽg, í, ê, Û, ·□Bfn□[fhfffBfXfNfhf%ofCfu, ìê□‡, É, íÉ□í, í¹/₂, , ì“Ç, Ý□’, «fwfbfh,^a, , è□A%oo~”Ö,², Æ, ì\,
, Æ– , ÉŽg, í, ê, Û, ·□B

fœfwxf^

^èŽž“l,Éff[]f^<L%o¯—p,É [CPU](#),ª“à’ ,·,é[],‘—f[]f,fš,ì—ì^æ[]BCPU ,É,í,ç,-
,Ä,à,lfœfwxf^,ª, ,è,Ü,·[]B,ç,lfœfwxf^fgfš,à 2 fofCfg ,© 3 fofCfg,lf[]f^,ì,ý,đš“l,μ,Ü,·[]B

fCfWfXfgfŠ

fVfXfef€,âfAfvfŠfP[fVf+f“,ì<N“@AŸ’èA,»,ì¼,ìî•ñ,ìW’+“l,É<L%o-,·,é Windows
,lff[f^fx[fXfBfCfWfXfgfŠ,í,·,x,Ä,ì’g,Ÿž,Ÿi,Ÿfn[fhfEjFfA,Æ Windows
flfyfC[fefBf“fofVfXfef€—p,É-¾Ži“l,ÉŸCv,¾,é,½fCf“fXfg[f<i,ŸftfgfEjFfA,É,Ä,ç
,Ä,ìî•ñ,ðŠi“[μ,Û,·BfCfWfXfgfŠ,í Windows,Äfvf%ofAf“fhfvfCfC,ðfTf][fg,Ä,«,é,æ,æ
,É,·,é,½,ß,lfRf“f][f+f“fg,ì 1,Ä,ÄAfCfWfXfgfŠfL[ÆCÄ,ì,é,éj]fefSfŠ,É•Ö-,¾,é,Û,·B
fCfWfXfgfŠ,í^È’O,É [AUTOEXEC.BAT](#) A [CONFIG.SYS](#) A [AWIN.INI](#) A [SYSTEM.INI](#)
,ÆCÄ[X,lfAfvfŠfP[fVf+f“,ì [INI.ftf@fCf<](#),º%oÉ,½,μ,½ Windows 3.x,ì<@“\,ì¼,ð’ă,í,è,É
%oÉ,½,μ,Û,·B,±,é,ç,lfTf@fCf<,í^ê•”,lfn[fhfEjFfA,Û,½,lf
ftfgfEjFfA,ÄŽg,í,é,é,ì,ÄCä•ûCÉŸ•,ì,½,ß,É,Û,¾ Windows,É’ŋŸ,·,é,±
,Æ,ª,è,Û,·BfCfWfXfgfŠ,ìî•ñ,í SYSTEM.DAT,Æ USER.DAT,Æ,ç,æ 2
,Ä,lfofCfifŠftf@fCf<,ÉŠi“[¾,é,Û,·B SYSTEM.DAT,lfRf“fsf...
[f^SÖ~A,ìÄVff[f^,ð•ÛŽç,μAUSER.DAT,í^Û,È,éft[fU[Û,Û,½,í-
Û“l,ì,½,ß,É•;[“,lfVfXfef€Ÿ’è,ð•ÛŽç,Ä,«,Û,·B

fWfXfgfŠfL

Windows ,ifWfXfgfŠ.ÉŠi”[,³,ê,Ä,ç

,éi•ñ,lfjfeSfSfBfWfXfgfŠfL[,ifWfXfgfŠ.ÉŠi”[,μ,Ä, ,éff[f^,ðCf“ffbfNfX•t, ,Ü,½,Í•Ò[-,·

,é,½,ß,ÉŽg,αŽè’i,Ä,·BfWfXfgfŠfL[,É,Í¼,lfL[(fTfufL[)

,âff[f^,ðŠi”[,Ä,«,é,ì,ÄAfWfXfgfŠ,ÍŠK’w[‘ç,ðC[-,μ,Ü,·i

CE³, ìftjcfy, É-ß, ·

fEjBf“fhfE, ðÅ'â%» , Ü, ½, íÅ-» , ³, ê, é' O, ìftjcfy, É-ß, ·, ±, ÆBCE³, ìftjcfy, É-ß, ·f{f^f“ , ðNfŠfbfN, ·, é, ÆÅ'â%» , ³, ê, ½fEjBf“fhfE, ðCE³, ìftjcfy, É-ß, ·, ±, Æ, ², Å, «, ·BfEjBf“fhfE, ìRf“fof<f<f<fj...» , ÅmCE³, ìftjcfy, É-ß, ·(R)ñ, ð'l'ð, Ü, ½, íf^fCfGf·fo[, ÅCE³, ìftjcfy, É-ß, ·f{f^f“ , ðNfŠfbfN, ·, é, ÆÅ-» , ³, ê, ½fEjBf“fhfE (fAfCfRf“) , ²CE³, ìftjcfy, É-ß, è, Ü, ·B(fEjBf“fhfE, ðÅ'â%» , µ, Ä, ç, È, ç, Æ, «, É, íCE³, ìftjcfy, É-ß, ·f{f^f“ , í, È, Å'ä, í, è, ÉÅ'â%»f{f^f“ , ², , è, Ü, ·B) Å-» , µ, ½fAfVjŠfP[fVf†f“fEjBf“fhfE, íf^fXfNfo[, Åf{f^f“ , ðNfŠfbfN, ·, é, ±, Æ, É, æ, Å, ÅCE³, ìftjcfy, É-ß, è, Ü, ·B

%EfnfŠbfN

f}fEfX,ì%Ef{f^f“,đfNfŠbfN,·,é,±,Æ□BfftfHf<fg,Å,í□Af}fEfXfj□[f\ f,afCf“f^□[ftfF□[fX,ífífufWfFfNfg□ă,É, ,é□ó’Ô,Å%EfnfŠbfN,·,é,ÆfRf“fefLfXfgf□fjf...□[,ª·\ Ž!,ª,ê,Ü,·□BfRf“fefLfXfgf□fjf...□[,É,ífífufWfFfNfgCEÅ—L,ífífvfVf#f“,ª—p^Ô,ª,ê,Å,ç ,Ü,·□B□¶,«,«,íf+□[fU□[,í,½,ß,Éf}fEfXf{f^f“,íŠ,,,è” - ,Ä,đ□Ø,è’Ô,!,é,Æ□Af}fEfX,ì□¶f{f^f“,đfNfŠbfN,µ,½,Æ,«,ÉfRf“fefLfXfgf□fjf...□[,ª·\Ž!,ª,ê,Ü,·□B

ROM

Read-Only Memory, i.e. BROM, YZæ, è%oÂ" \, Å, «ž, Y<ÖŽ~, ì"¼" ±'ìf, fš BROM f`fbfv, É, ívf fOf %of€ Af f^A, Ü, ½, í, » ì¼•û, ã"ü, Ä, Ä, ç, é, ±, Æ, ã, è, Ü, · BROM, É, í^ê"Ê, É PROM f`fbfv, Æ CD-ROM, ì 2 Ží—p, ã, è, Ü, · BROM, í^ê"Ê, É •sŠö" f, fš, Ä, · BfvfXfef€ BIOS -½—ß, ì, Ü, Æ, ñ, Ç, í ROM f`fbfv (ROM-BIOS), ÉŠi" [, ã, è, Ü, ·, ã AWindows, É, í, ç, , Ä, ©, ì ROM BIOS f< f` f", É'ã, í, éĀ—L, ìf< f` f", ã—p^Ó, ã, è, Ä, ç, Ü, · B

f<[]f9

f<[]fgffBfCefNfgfŠ,í~_—[]ffBfXfN,ìtf@fCf<<L%o~[]\`¢

,ì“y’ä,Å,·[]Bf<[]fgffBfCefNfgfŠ,É,ìffBfXfN[]ã,ÉŠi”[,³,è,é[]Å[]ã^Ê,ìtf@fCf<,âftfHf<f_,ì,½,ß,ìffBfCefN
fgfŠfGf“fgfŠ,ª, ,è,Û,·[]B

RS-232C

fvšfAf'ÉMÚ'±,ÉŠÖ,·,é<ÆŠE<KŠiBfffofCfXŠÔ,ìfvšfAf'ff[f^"\'—,ð§Eä,·,é,½,ß,ÉA'Á'è,ì
%ñü (Ú'±fCf,,) ,ÆM+“Á«,^aZg,í,ê,Û,·B

fXfPfwf...[f%o

'¼,ì^— (fXfEfbfh“™) ,Æf^fXfN,đŠÇ—,·,élfyfCE[fefBf“fOfVfXfef€,ì^—B

fXfNf[]f<fo[]

•¶,Ü,½,ÍŠfXfg,ðA,»,ê,ð•Ž,·,éEfBf“fhfE,É%ž,¶,Ä^Ú“®,Å,«,é GUI fRf“fj
[]fj“fg[]BfXfNf[]f<fo[],í'Éí[]AfEfBf“fhfE,âfŠfXfgf{fbfNfX,ì%oi,Ü,½,Í
%o°,ì•”•ª,ÉCE»,ê,é,¼,Ü,½,Í...•½,ìfo[],Å,·B

ufXfNf[]f<f{fbfNfXv,ífXfNf[]f<fo[][ã,É•Ž!,³,ê[]Afo[],É%o^,Á,Äf}fEfX,Åfhf
%ofbfO,µ,ÄEfBf“fhfE“à,ÅfefLfXfg,ð^Ú“®,Å,«,Ü,·B

ufXfNf[]f<î^óv,ífXfNf[]f<fo[],ì—¼',É•Ž!,³,ê[]AfNfŠfbfN,·,é,ÆfefLfXfg,ð,µ,¾,¯
(ÉífefLfXfg 1 []sª) fXfNf[]f<,Å,«,Ü,·BfXfNf[]f<f{fbfNfX,ÆfXfNf[]f<-
î^ó,İÖ,ðfNfŠfbfN,·,é,Æ[]AfefLfXfg,ð'â•,É ('Éí[]A1 fy[]fW•ª,Ü,½,ì,»,ífEfBf“fhfE,ìfefLfXfg'Š“-
ª) ^Ú“®,Å,«,Ü,·B

fXfNf□□[f<f{fbfNfX

SCSI

Small Computer System Interface , ì—ª, Å□ufXfjfw□[□v, Æ”%º¹, µ, Û, ·□BfRf“fsf...

□[f^, ðfn□[fhfffBfXfN□AfvfŠf“f^□ACD-ROM fhf%ºfCfu, È, Ç, ìfffofCfX, É□Ú’±

, ·, é, Æ, «, ÈŽg, í, ê, é•W□€fCf“f^□[ftfF□[fX, ì^èŽí, Å, ·□B, Û, Æ, ñ, Ç, ì SCSI

fAf_fvf^fj□[fh, Ì□Ú’±□æ, ìfffofCfX, ÌŽí—p, ð’m, ç, È, , Å, à□Ú’±, Å, «, Û, ·□B□Ú’±□æ, É•K—v, È□ðœ□, Ì

SCSI , Ì•W□€, É□€<’, ·, é□Ú’±, Å, , é, ±, Æ, Ì, Ý, Å, ·□B7 ‘ä, Û, Å, Ì SCSI fffofCfX, ð’ŠœÝ, É□Ú’±

, µ□A, » , è, ðfRf“fsf...□[f^, Ì SCSI f□[fg, É□Ú’±, Å, «, Û, ·□B, ±, Ì, æ, x, È□□¬, ð□ufffCfW□[f`fF□[f“□v, Æ, ç

, ç, Û, ·□B

f}fEfX,ì%oEf{f^f“

Žg,æ%ñ“,ª,È,ç•û,ìf}fEfXf{f^f“□Bf}fEfX,ì%oEf{f^f“,ðfNfŠfbfN,·,é,±,Æ,ð%oEfNfŠfbfN,Æ,ç,ç□A'½,,ì□ê□#fRf“[fefLfXfgf□fjf...□□](#),ª•\Ž,³,è,Û,·□B

%oE—,«—p,ìf}fEfX,ì%oEf{f^f“,ð□¶—,«ft□[fU□[,É□‡,æ,æ,É Windows,ìfRf“fgf□□[f<fpf|f<,Å•ì□X,Å,«,Û,·□Bf}fEfX,ì□¶{f^f“,àŽQ□Æ,µ,Ä,,¾,¾,ç□B

“ňŽŸfEjBf“fhfE

^è”Ê,É^êŽŸfEjBf“fhfE,É”ä,x,Ä□¬,³,<@”\,à’á,čfAfvfŠfP□[fvf‡f“fEjBf“fhfE□B

fZfNf^

fffBfXfN,ì•—□“l,È<L%o~,ì□Å□¬’P^Ê□B1 ,Â,ìfZfNf^,ìfffBfXfN□ã,É, ,éff□[f^<L
%o~^æ,ìCEÊ,ìCE`,ð,μ,½•”•ª,Å,·□BfffBfXfN,ì<L%o~—ì^æ,ìŽŸ,ì,æ,α,É•Ò□¬,³,è,Ü,·□B

💡 fffBfXfN•\-Ê,ìŠe-Ê (□ã%oº)
(fn□[fhfffBfXfN,É,í 3 ,Â^Ê□ã,ì-Ê,ª, ,è,Ü,·)

💡 fgf%ofbfN (ŽŸ<CfffBfXfN,ì•\-Ê,É“~□S%o~□ó,ì—Ö,Æ,μ,Ä□®—ñ,μ,Ü,·□BCD-ROM ,ìfgf
%ofbfN,ìfffBfXfN,ì[,©,ç’t□S,É,ç,¹,ñ□ó,É’±,’P^êfgf%ofbfN,Å,·)

💡 fZfNf^ (fgf%ofbfN,ì 1 ,Â,ìCEÊ,ìCE`,ð,μ,½•”•ª,ð□è,ß,Ü,·)
ff□[f^<L%o~^æ,ì 1 ,Â,ìfZfNf^,ìfffBfXfN□ã,Åfgf%ofbfN,ì 1 ,Â,ìCEÊ,ìCE`,ð,μ,½•”•ª,ð□è,ß,Ü,·□B
1 fZfNf^,ìTfCfY (fofCf9□”) ,ìfìfyfCE□[fefBf“fofvfXfef€,É,æ,Á,ÄCE^,Ü,è,Ü,·□B

fZfCefNf^

Windows 98/Me: CPU ,^afvf^{ef}Nfgf.□lfh,Å“@□ì,μ,Ä,ç,é,Æ,«,lfZfOf□f“fg fCefWfXf^,ì“à—
e□BfZfCefNf^,lf□f,fS,ì“À“è,lfZfOf□f“fg,ð'è<` ,.é<L□qZqfe□lfuf<,lfGf“fgfS,ðZ~•É,μ,Ü,·□B

fZfpfCE[f^ü

1 ,Â,îffj...[.đŠÖ~A,.éffj...[€-Ú,²,Æ,ìOf<[fv,É•^aŠ,,.é...•¹/₂,ìüB

fVfŠfAf'ÊM

ff[f^,ð~A'±,·,éfrfbfg,Æ,μ,Ä^ê"x,É 1 ,Â, ,Â 1 -{,ì%ñü,ð'Ê,¶,Ä'—M,·,éRf"fsf...
[f^ŠÖ,Ü,½,ífRf"fsf...[f^,ÆŽü•Ó'•'uŠÖ,iff[f^"'—B

fVfŠfAf·fCf“f^[]ftfF[]fX

fRf“fsf...[]f^,ÉfVfŠfAf<’Ê[]M<@”\,đ—

^,ı,éfCf“f^[]ftfF[]fX[]B’Ê[]í[]AfVfŠfAf·fCf“f^[]ftfF[]fX,í}fU[]f{[]fh,É·,μž,ρŠg’£f{[]fh,Å\
[]→,³,êfVfŠfAf<f[]fg,àŠÜ,Ü,ê,Ü,·[]B

fVfŠfAf<f|[]fg

fVfŠfAf<É[]M, ð, ·, é, ½, ß, ðRf"fsf...[]f^, ð"ü[]o—Í[]Ú'±[]B**fVfŠfAf<fCf" f^[]ftfF[]fX**, É[]Ú'±, ³, ê[]A'É[]í
RS-232C Ć^fRf|fNf^, Å, ·[]B**fVfŠfAf<f|[]fg**, ðrfbfg'P^É, Å[]î•ñ, ð"`, ð[]A, Û, Æ, ñ, Ç, ÌŽí—
p, ðfff[]ofCfX, ÉŽg, æ, ±, Æ, º, Å, «, Û, ·[]B

f[]f, : fRf"fsf...[]f^, É 2 ĆÂ, ðRf|fNf^, µ, ©, È, ç, ð, ð[]ASystem Information , ºfVfŠfAf<f|[]fg, ð" , ð 3
ĆÂ, Æf[]f[]fg, µ, ½[]ê[]±[]A fRf"fsf...[]f^, É•" —[]"l, É—p^Ó, ³, ê, Å, ç, éfVfŠfAf<f|[]fg, æ, è, à'½, -
, ðfVfŠfAf<f|[]fg, ðfVfXfef€, ºŽ[] , Å, ±, Æ, º, Å, «, é, ±, Æ, ðŽ!, µ, Å, ç, Û, ·[]B

fVf#[]fgjfbfgfL[]

f}fEfX,žg,Á,Äf[]fjf...[]€-Ú,đ'ı'đ,μ,È,-

,Ä,àfL[]f{[]fh,©,ç"Á'è,ıfRf}f"fh,đŽÄ[]s,Ä,«,éfL[][,ı'g,Ý[]#,ı,¹[]BfVf#[]fgjfbfgfL[],^a, ,éf[]fjf...[]€-
Ú,ı[]ê[]#[]A[]f[]fj[]f...[][]ã,Ä[]€-Ú-¼,ı%°E,ÉfVf#[]fgjfbfgfL[],ı'g,Ý[]#,ı,¹,^a·\Ž|,³,ê,Ü,·[]B

SIMM

Single Inline Memory Module , à B1 , SIMM , í i " , í [DRAM](#) f`fbfv, ð" < ú , , é x ' , ç
% ñ ~ H S i " Ö , Å , . B

fXf%bfN

fIfyfCE[fefBf"fofVfXfef€ ,íftf@fCf<,ì,½,ß,ì-ì^æ,ðfNf%ofXf^,ÆCEÄ,î,ê,é-fŽU"l,È
%ò,Æ,μ,ÅŠ,,è"-,Ä,Ü,· (-\-ñ,μ,Ü,·)B,μ,©,μA,Ü,Æ,ñ,Ç,íftf@fCf<,áfffBfXfNã,Å• " -"l,Éè,ß,é
-ì^æ,íIfyfCE[fefBf"fofVfXfef€,ª-\-ñ,μ,½,æ,è,à,É,ç-e-É,Å,·BfXf
%ofbfN,Æ,íftf@fCf<,íff[f^,Éè-L,³,ê,É,ç-V,Ñ,íXfy[fX,Å,·BCEÄX,íftf@fCf<,ì,½,ß,É,ç
,Ä,½,ñŠ,,è"-,Ä,ç,ê,½fffBfXfN-ì^æ,íA,Ü,©,ì,Ç,ñ,É-U"l,É,àŽg,í,ê,Ü,¹,ñB,Ä,Ü,èAfXf
%ofbfN,ífffBfXfNã,ì,ρ,¾,É-ì^æ,Å,·B

💡 FAT32 ftf@fCf<fvfXfef€,í,æ,è¬,³,çfNf%ofXf^,ðŽg,±,±,Æ,É,æ,Ä,ÄfffBfXfN,íXf%ofbfN-e
-É,ðÅ¬-CEA,ÉCE,ç,μ,Ü,·B

<N"@ftj@fCf<

fXfe[f^fXfo[

^—A<@“\A‘I’đ,μ,½€-Ú,É,Â,ç,Ä,ìî•ň,đ•Ž!,·,é GUI fRf“f]

[fjf“fgB’ÉíAfXfe[f^fXfo[,ÍEjBf“fhfE,Ü,½,Í_fCfAfOf{fbfNfX,ì%º•”,É•Ž!,³,ê,Ü,·B

fXfefbfv

CPU f`fbfv, ì%°^ÊfŠfrfWf†f“, ðŽw'è, ·, é, ½, ß, ÉŽg, í, ê, é'P^Ê□B, ½, Æ, í, î□APentium fXfefbfv 5 , Æ, ç, ðŽw'è, ïf`fbfv, í Pentium fXfefbfv 4 , æ, è, à□, μ□X□V, °, ê, ½f`fbfv, Å, ·□B

Super VGA

SVGA

fp[]\fifjRf“fsf...[]f^,ÅŽg,í,ê,éfrffjlfAf_fvf^f{[]fh,ì 1 Ží[]BPC ,ìfrffjlfjffBfXfvfCefC•W[]€,ì”-
“W,É,“,ç,Ä SVGA ,í VGA ,ìĀě,ÅŠj”,³,ê,Û,μ,½[]BSVGA fj[]fh,í VGA fj[]fh,æ,è,à[],“x,È,ç,,Ä, ©,ì
%øð’œ“x,ð”ð,ì,Ä,ç,Û,·[]B

fXf fbfvftf@fCf<

Windows ,^a%o¼'zf fŠ,Æ,μ,ÄŽg,κ%oB,μ ftf@fCf< BfXf fbfvftf@fCf<,í RAM
,©,ç,ìî•ñ,đ^êŽŽ"l,ÉŠi"l,μ,Ä'¼,lfAfvfŠfP[fVf#f",^a RAM ,đŽg,!,é,æ,κ,É,μ,Ü,· BWindows 98/Me
,lfXf fbfvftf@fCf<,í WIN386.SWP ,Æ,ç,κ-¼'O,Å,· B

Windows NT/2000/XP

ŠÂ<<%oº,Å,lfXf fbfvftf@fCf<,đufy[fWf"fOf tf@fCf<v,ÆEÄ,Ñ APAGEFILE.SYS ,Æ,ç,κftf@fCf<-
¼,^at,ç,Ä,ç,Ü,· B

fVfXfef€—ì^æ

fIfyfCE[fefBf"fofVfXfef€

,âffBfXfN,âffBfXfN,ÉŠi"[,³,ê,½ftf@fCf<,ÉfAfNfZfX,·,é,Æ,«,ÉŽg,αî•ñ,ª"ü,Á,Ä,ç,éffBfXfN,ì—
ì^æBffBfXfN,ìfVfXfef€—ì^æ,É,ífu[fqfCFR[fhAFATAf<[fgî•ñ,ª"ü,Á,Ä,ç
,Ü,·B,Ü,Æ,ñ,Ç,ìfn[fhfffBfXfN,ìfVfXfef€—ì^æ,É,ífp[fefBfVf#f"fe[fuf<,à, ,è,Ü,·B

fVfXfef€'®□«

,±

,ìtf@fCf<'®□«,ìfvfXfef€ŠÖŒW,ìfffBfŒfNfgfŠfGf"fgfŠ,đŽ`•Ê,µ,Û,·□BfvfXfef€'®□«,đ"đ,ì,½tf@fCf<,ì—á,Í IMAGE.IDX (Norton Utilities),ì Image fvf□fOf%of€,É'®,·,étf@fCf<) ,Æ IO.SYS (fìyfŒ□[fefBf"foVfXfef€,ìtf@fCf<) ,Å,·□BfvfXfef€'®□«,đ"đ,ì,½tfHf<f_ì—á,Í Windows ,ì,²,Ý" ,â FONTS ftfHf<f_Å,·□B

'·,çtf@fCf<-¼,đ·\,fffBfŒfNfgfŠfGf"fgfŠ,É,ìf{fŠf...□[fef%ofxf<'®□«□A%B,µ'®□«□A"C.ÝŽæ.è□ê —p'®□«,□AfvfXfef€'®□«,ìZfbfg,^a, ,è,Û,·□B,±,ìtf@fCf<'®□«,ì'g,Ý□‡,ì,¹,ì',çtf@fCf<-¼,É"Á—L,Å,·□B

fVfXfef€LjffbVf...

fvfXfef€ftf@fCf<

fRf“fsf...[]f^,đ<N“® ,μ,½,è Windows

,đ<N“® ,μ,ÄŸè,·,é,Æ,«,ÉŽg,í,ê,éftf@fCf<,lfOf<[]fv[]BWindows 98/Me ,É,ÍŽŸ,lfyf@fCf<,ª, ,è,Ü,·[]B



[AUTOEXEC.BAT](#)



[CONFIG.SYS](#)



[WIN.INI](#)



[SYSTEM.INI](#)



[SYSTEM.DAT](#)



[USER.DAT](#)

,±,ê,ç,lfyf@fCf<,đ[]u<N“®ftf@fCf<[]v,Æ,à,ç,ç,Ü,·[]B

fVfXfef€f[]jf...[]

fVfXfef€f^fCf}[]f|[]fg

fVfXfef€f^fCf}[] (, Û, ½, ÍVfXfef€fNf[]fbfN) ,Æ'¼[]Ú'Ê[]M, ,é, ½, ß, ÉŽg, í, ê, éfn[] [fhfEfFfA, ì] []fg, Å[]AŽå, Éf^fCf}[] [Š, , è[]ž, Ý' – "x, ð•Í[]X, ,é, ½, ß, ÉŽg, í, ê, Û, ·[]B

fVfXfef€ VM

Windows fAfvfŠfP[fVf#f“,a“@i,.,é%¼'zf}fVf“BfVfXfef€ VM
,ífvf[feNfjg,.[fh,Å“@i,μ,Û,·B32 frfbfg,ì Windows fAfvfŠfP[fVf#f“,í,»,ê,¼,ê,afVfXfef€ VM
□ã,Åê—p,íf[f,š—ì^æ,ðš—L,μfvfCfGf“fvfefBfuf}f<f`f^fXfN,Å^—□,³,ê,Û,·BWindows 98/Me
,Å,í16 frfbfg,ì Windows fAfvfŠfP[fVf#f“,ífVfXfef€ VM □ã,Å^P^ê,íf[f,š—ì^æ,ð<α—
L,μ<!'²“l,Ëf}f<f`f^fXfN,Å^—□,³,ê,Û,·B

SYSTEM.DAT

Windows 98/Me: ft[]fU[][,²,Æ,É•İ,í,é,±,Æ,ì,È,†fVfXfef€ŠÖŒW,ìfŒfWfXfgfŠ[]î•ñ,ª“ü,Á,Ä,†,éftf@fCf<[]BfŒfWfXfgfŠ[]î•ñ,ª“ü,Á,Ä,†,éŽå—v,ÈfVfXfef€ftf@fCf<,í SYSTEM.DAT ,Æ [USER.DAT](#),Ä,·[]B

SYSTEM.INI

fVfXfef€CEĀ—L,lfhf%ofCfo,ÆŸ'èî•ñ,ª"ü,Á,Ā,ç,é Windows ,ì<N"®ftf@fCf<BWindows 3.x ,ì
SYSTEM.INI ,ÉŠi"l,³,ê,Ā,ç,½î•ñ,ì,Û,Æ,ñ,Ç,í Windows
fCfWfXfgfŠ.ÉĀ"z'u,³,ê,Û,μ,½B,½,¾,μACEĀ,çfAfvfŠfP[fVf‡f",Æ,ìCEŸŠ·«,â Windows
,ì^ê•",ì<N"®^—,ì,½,β,É SYSTEM.INI ,í,Û,¾'¶Ÿ,μ,Û,·B

fefLfXfgf{fbfNfX

fvf[]Of%of€,É•K—v,È 1 []s (,Ü,½,Í•i[]"[]s) ,ì[]î•ñ,ð“ü—Í,·,é'•û€` ,ì GUI fRf“f[]lfif“fg[]B[]%o,ß,Ä•\
Ž!,³,ê,é,Æ,«[]AfefLfXfgf{fbfNfX,Í'½,,ì[]ê[]‡,Í<ó”',Å,·,ª[]AfefLfXfg,ª“ü,Á,Ä,†,é,±,Æ,à, ,è,Ü,·[]B

fXfCEfbfh

"äŠr"l'â<k-Í,È□^—□,Ü,½,Ífvf□fOf%of€,ì^ê•"□B

•i□",lfXfCEfbfh,Í□e□^—□,ÉŠ,,,è"-,Ä,ç,ê,½fAfhfCEfX<óŠÔ,ÆfŠf\□[fX,ð<α—L,μ,Ü,·□B□^—
□,²,Æ,É□Á'á 1 ,Â,lfXfCEfbfh,ð□□—,μ□A,Ü,Æ,ñ,Ç,Í□^—
□,É,Í•i□",lfXfCEfbfh,², ,è,Ü,·□BfXfCEfbfh,Í□e□^—□,ÌŽÀ□s't,É•K—v,É
%ož,¶,Ä" @ "l,É□□—,³,ê□í□œ,³,ê,Ü,·□B

fXfCEfbfh (□^—□'S'ì,Ä,í,È,,»,ì^ê•") ,ÍfÍyfCE□[fefBf"fofVfXfef€,ÅŠÇ—

□,³,ê□Af}f<f`f^fXfN,ÌŽA'•,É," , ,é CPU ŽžŠÔ,ÍŠ,,,è"-,Ä,ÍŠî- {,Ä,·□BWindows ,ì [32](#)

[frfbfgfAfvfŠfP□\[fVf†f"](#) ,í½,,lfXfCEfbfh,ðŽg,!,Ü,·□B,Ç,ì 32 [frfbfgfAfvfŠfP□\[fVf†f"](#) ,à□e□^—□,ÉŠ,,,è"-

,Ä,ç,ê,½f□f,Š,ð<α—L,μ□AfXfCEfbfh,ÍfvfCEGf"fvfefBfuf}f<f`f^fXfN,Å□^—□,³,ê,Ü,·□B [16](#)

[frfbfgfAfvfŠfP□\[fVf†f"](#) (Windows 3.x ,Æ DOS ,ÍfAfvfŠfP□[fVf†f") ,ÉfXfCEfbfh,í 1 ,Ä,,Ä,μ,©,È,-

□A,±,è,ç,lfXfCEfbfh,Í<:'²"l,Éf}f<f`f^fXfN,Å□^—□,³,ê,Ü,·□B

f^fcf}[]Š,,èž,Ý

PC ,lfVfXfef€fNf[]fbfNf`fbfv,ÉŠÖ~A,·,éŠ,,èž,Ý,Í 2 ,Â, ,è,Ü,·[]BINT 8h ,Æ INT 1Ch
,Å[]Af^fCf}[][Š,,èž,Ý,Æ'[][]ì,³,ê,Ü,·[]BfVftfgfEfFfA,af^fCf}[][,ÉŠÖ~A,μ,½'€[]ì,ð—
v<[],·,é[]ê[]#[]A'Ê[]í INT 1Ch ,É,Â,È,¬,Ü,· ([]L,ç^Ó-j,Åft[]fU[]['€[]ì,ð-
Ú"l,Æ,μ,½Š,,èž,Ý,ÆCE©,É,³,ê,Ü,·)[]BINT 8h ,É,Â,È,®,±
,Æ,à, ,è,Ü,·,³CE«,ç'l'ð,Æ,ÍCE©,É,³,ê,Ü,¹,ñ[]B

fvf[]fOf%of€ ,É,æ,Á,Ä,í[]AfVfXfef€fNf[]fbfNf`fbfv,ª,±,ê,ç,ÌŠ,,èž,Ý,ð[]¶[]¬,·,é'¬"x,ð·ì[]X,·,é,±
,Æ,ª, ,è,Ü,· (ffftfHf<fg,Í 1 •bŠÖ,É 18.2 %oñ,Å,·)[]B·ì[]X,·,é[]ê[]#[]AfVf[]fOf%of€
,ÍffftfHf<fg'¬"x,lfGf~f...fCE[]fVf#f",ð^ÛŽ[],·,é•K—v,ª, ,è,Ü,·[]B·ì[]X,μ,È,ç[]ê[]#[]AfVfXfef€Žž[][],Í[]³
Šm,ÉŽž,ð[][],Ü,È,,È,è[]A,» ,l'¼,Í'€[]ì (ffBfXfN,ì"ü[]o—Í,È,Ç) ,ÍŽ, "s,μ,Ü,·[]B

f^fCfgrfo

f^fCfgrfo, íEjBf"fhfE, Ü, 1/2, íf_fCfAfOf{fbfNfX, ìã•", É•\

Ž!,³, êAfeBf"fhfE, ÅŽÀs't, ìAfvfŠfP[fVf#"-1/4, Ü, 1/2, íf_fCfAfOf{fbfNfX-1/4, ð•\

Ž!, μ, Ü, ·BfeBf"fhfE, Æ^ê•", ìf_fCfAfOf{fbfNfX, ìf^fCfgrfo, É, íRf"fgf[f<fj...], ÆÅ-
%»AÅ'â%»ACE³, ìTfCfY, É-ß, ·f{f^f",^a, , è, Ü, ·

BfAfNfefBfufEfbf"fhfE, ìf^fCfgrfo, ìF, í"ñfAfNfefBfufEfbf"fhfE, ìf^fCfgrfo, ìF, Æ^Ü, È, è, Ü, ·B

fgfOf<

“®ŽŒ,Æ,μ,ÄŽg,⊗ê⊕⊗A”~,¶fRf“fgf□□f<,Ü,½,í“®□ì,É,æ,Á,Ä 2 □ó’ÔflfufWfFfNfg
(f`fFfbfNf{fbfNfX,È,Ç) ,ì□ó’Ô,ð•í,ì,é,±,Æ□B
-¼ŽŒ,Æ,μ,ÄŽg,⊗ê⊕⊗A”~,¶‘€□ì (flfufWfFfNfg,ìfNfŠfbfN,È,Ç) ,Å 2
,Â,ì□ó’Ô,ð□ø,è’Ô,ì,Â,«,éflfufWfFfNfg□B

fc[f<fo

fAfvfŠfP[fVf#f“fEfBf“fhfE,É 1 —ñ,É•\Ž|,³,è,éŠG•¶Žš,ìRf}f“fhf{f^f“B’ÉifEfBf“fhfE,ìfifj...
[fo],ì^%º,É, ,è,Ü,·Bfc[f<fo[,íEfBf“fhfE,Ü,½,íAfvfŠfP[fVf#f“Á—
L,ìfifvVf#f“ ,Ü,½,ìRf}f“fh,Éf}fEfX,Å,·,î,â,fAfNfZfX,Å,«,Ü,·B

fgf%oofbfN

fffBfXfN•\-Ê,ì•"–□ftfH□[f}fbfg,ì^ê•"□BfffBfXfN,ì<L%~–ì^æ,íŽŸ,ì,æ,α,É•Ò□–,³,ê,Ü,·□B

💡 fffBfXfN•\-Ê,ìŠe-Ê (□ã%oo°)

(fn□[fhfffBfXfN,É,í 3 ,Â^È□ã,ì-Ê,a ,è,Ü,·)

💡 fgf%oofbfN (ŽŸ<CfffBfXfN,ì•\-Ê,É"–□S%~□ó,ì–Ö,Æ,μ,Ä□®–ñ,μ,Ü,·□BCD-ROM ,ìfgf%oofbfN,ìfffBfXfN,ì[,©,ç't□S,É,ç,¹,ñ□ó,É'±,'P^êfgf%oofbfN,Å,·)

💡 fZfNf^ (fgf%oofbfN,ì 1 ,Â,ìCEÉ,ìCE` ,ð,μ,½•"•ª,ð□è,ß,Ü,·)

“]’—’¬“x

“]’—’¬“x, í 1 •bšÔ,ÉfffBfXfN,©,ç“Ç,ÝŽæ,Á,ÄfRf“fsf...

□[f^,ìf□f,fš,É”z’u,Å,«,éfofCf□”,đŽw’è,μ,·□B,±,ì’èšî€ ,ífffBfXfNfhf%oofCfu,ì^—□’¬“x,đ•]‰
¿,·,é,½,ß,ÉŽg,í,ê,Ü,·□B

TSR

Terminate-and-Stay-Resident ,l—ªBTSR fvfOf%œ,ðuf,fší“vfvfOf%œ,Æ,à,ç,ç,Ü,·B
fRf“fsf...[f^,ì RAM ,Éf[fh,³,èAŽÀs’t,Å,È,,Ä,àf,fšă,ÉŽc,é DOS fvfOf%œBTSR ,í
Windows NT/2000/XP ,lfRf“fsf...[f^ă,Å,í“,«,Ü,¹,ñB

□í“fvf□fOf%of€

fAf“fhfDftf@fCf<

Norton Disk Doctor ,³ffBfXfN,ðC•œ,; ,é'O,Éi□-; ,éftf@fCf<□BNorton System Doctor ,Í•K—
v,², ,ê,î□AfAf“fhfDftf@fCf<,É,æ,Ä,Ä•ï□X,ðE³,É-ß,¹,Ü,·□B

Unicode

Windows 98/Me ,ì'.çftf@fCf<-¼,Æ Windows NT/2000/XP ,ÅŽg,í,ê,é•¶ŽšfZfbfg□BUnicode
•¶ŽšfZfbfg,í 16 frfbfg (2 fofCfg) ,ìff□[f^,ðŽg,Á,Ä 1 •¶Žš,ð•\Œ»,. ,é,ì,Å□A65,536 (2 ,ì 16 □æ)
•¶Žš,Û,Å,ì□d•; ,ì,É,çfR□[fh,^a—p^Ó,³,ê,Û,·□B

UNC

Universal Naming Convention , à — B f l f b f g f [f N , Å Ú ± , ³ , ê , é (f t f @ f C f < , a f [f j f < f R f “ f s f ...
 [f ^ [ä , É ‘ ¶ [Y , µ , È , ç , ± , Æ , a , , é) f R f “ f s f ... [f ^ , ð f T f | [f g , · , é , ½ , ß , É [^ Å , ³ , ê , ½ f t f @ f C f < - ¼ , ì • t , ¯ • û , ì -
 ñ ‘ © [B , ± , ì • û Ž ® , Å , í h f % o f C f u - ¼ , Æ f p f X , Æ f t f @ f C f < , Å , í , È , [A f p f X , Æ f t f @ f C f < -
 ¼ , ì ‘ O , É f t f @ f C f < , a “ ü , Á , Ä , ç , é l f b f g f [f N , ì - ¼ ‘ O , Æ 2 , Å , ì % ~ < L [† (\) , ð • t , ¯ , Ü , · [B

UMB

USER fŠf\[]fX

Windows 98/Me: Windows User f,fWf...[]f<—p,É—\-ñ,³,ê,½ RAM ,ì—ì^æ[]BUser f,fWf...
[]f<,íEjBf“fhfEŠÇ—[],ì-â'è,ð^—[],μ[]Af_fCfAf[]fOf{fbfNfX,â,»,ì'¼,ì GUI fRf“f[]f[]f[]fg,ð^—
[],μ,Ü,·[]BWindows ,ì 3 ,Â,ìŽâ—vfTfufVfXfef€,íj[]f[]f<[]AGDI[]AUSER fŠf\[]fX,Â,·[]B

USER.DAT

Windows 98/Me: ft[fU[ŠÖ~A,ifWfXfgfŠî•ñ,ª“ü,Á,Ä,ç,é Windows
,iftf@fCf<BfWfXfgfŠî•ñ,ª“ü,Á,Ä,ç,éZâ—v,ÉvfXfef€ftf@fCf<,Æ,µ,Ä USER.DAT ,Æ
SYSTEM.DAT ,ª, ,è,Û,·B

VGA

Video Graphic Array , à—^a Bfp [f\fi<fRf“fsf... [f^ , ÅŽg, í, è, éfrfffIfAf_fvf^f{ [fh, ìŽí—b BPC
, ìfrfffiffBfXfvfCfC•W [€, ì”“W, É, ”, ç, Å VGA , í EGA , ìCěã, ÉŠj” ,³, è, Û, μ, ½ BVGA fj [fh, É, í, ç, -
, Å, ©, ìfrfffIf, [fh, ^a, , è, Û, ,^a AfOf%oftfBfbfN, ÆfefLfXfg, É, Å, ç, Å, í 256 [F, Æ, ç, x \$CĚÀ, ^a, , è, Û, , [B

f r f f f j o l f h

VRAM

frfffi%oñ~H,É,æ,Á,Ä, '¬¼ÚfAfNfZfX,ª,Å,«,é"Á•Ê,ÈŽí—p,ì [DRAM](#) BVRAM f`fbfv,í'Êí,ì DRAM
f`fbfv,æ,è,à,%,¿,Å,·B

VIM

Vendor-Independent Mail, ì—ª□Bf□□[f^fXŽĐ,É,æ,Á,ÄŠJ”,³,ê□ADLL,Æ,μ,ÄŽÀĈ»,³,ê,½ API□B
fVfXfef€,É VIM DLL,ª‘¶□Ý,·,é,±
,Æ,ð”FŽ˘,·,éfAfvfŠfP□[fVf#f“,Á,í□AfAfvfŠfP□[fVf#f“,©,ç’¼□Úf□□[f<,ð’—□M,Å,«,Ü,·□B

%o¼'zffofCfXfhf%ofCfo

• i□", i%o¼'zf}fVf", ðfRf"fsf...□[f^, ÅŽÀ□s, Å, «, é"Á•Ê, ÈŽí—p, ðffofCfXfhf%ofCfo□B
VxD ,ª 80386 fRf"fsf...□[f^, i Windows ,É"±"ü,³,ê,½,Æ,«,"-□%o, ð<@"\, Í•i□", i%o¼'zf}fVf", ðfTfj
□[fg, ·, é, æ, æ, É Windows ,ðŠg'£, ·, é, ±, Æ, Å, µ, ½□BÆ»□Ý□AVxD , ðffofCfX,ªÆ—š, Å, «, é, æ, æ
, Éfn□[fhfEjFfAfffofCfX,²,Æ, ð, ½, ß, É<æ'Ê, ð<@"\fZfbfg, ð—p^Ó, µ, Å□A, æ, è""□"i, ÈffofCfXfhf
%ofCfo, ð—ðŠ,, ð%oÊ, ½, µ, Ü, ·□B

fffBfXfjvfÆfC, È, Ç, ð'P^êfŠf□[fX, ðŠÇ—□, ·, é, ½, ß, É□ÝÆv,³,ê,½fRf"fsf...□[f^fR□[fh, ðf, fWf...□[f<□B32
frfbfg, ðfjv□fjefNfgf, □[fh, Å"®□i, µ, Ü, ·□BVxD ,Æ, à, ç, ç, Ü, ·□BVxD , Í, ç, -
, Å, à, ð[XfÆfbfh, ð""Žž, ÈŽÀ□s, Å, «, é, ð, Å VxD ,ª , é, ÆfŠf□[fX, ð<æ—L, Å, «, Ü, ·□BVxD , ðf
ftfgEjFfA, à□šÆä, µ, Ü, ·,ª, Ü, Æ, ñ, Ç, ðê±, É□šÆä, ·, é, ð, ðfn□[fhfEjFfA, Å, ·□BVxD ,Æ, ç, æ—
pCè, ð'è"Ê, È%o¼'zffofCfXfhf%ofCfo, ðŽw, ·, ½, ß, É, æ, Žg, ç, Ü, ·□B

VxD

VFAT

ftf@fCf<,ì“ü□o—í“®□ì,ð□^—□,·,é DOS ,ìTfufVfXfef€ ,ðŠg'£,·,é Windows 98 ,ì<@“\□BVFAT ,í DOS ,Æ“~ ,¶,æ,æ,É FAT □\‘ç,ðŽg,ç,Ü,·,ª□ADOS ,Æ,í^Ü,È,è'·,çftf@fCf<-¼,ðfTf| □[fg,μ□A,Ü,Æ,ñ,Ç,ívf□fefNfgf.□[fh,Å“®□ì,μ,Ü,·□B

%0¼'zf}fVf"

fn[]fhfEjFfAfffofCfX,ðfVf~f...fCE[]fg,·,éftfgfEjFfA,É,æ,Á,Ä[]ç,ê,éfRf"fsf...
[]f^,ìŠÀ«[]BWindows ,Å,í[]A%0¼'zf}fVf",í"Æ—§,μ,½fRf"fsf...[]f^,ðfVf~f...
fCE[]fg,μ[]A,» ,ê,¼,ê,³f[]f,ŠfŠf[]fX[]Aftf@fCf<fVfXfef€fT[]fRfX[]AfffofCfXfhf
%0fCfo.[]AŽü•Ó<@Ší,Ö,lfAfNfZfX,È,Ç,lfTf[]fgfT[]fRfX,ð"ö,|,Ü,·BfVfXfef€ VM,í Windows
fAfVfŠfP[]fVf†f",ÉŽg,í,ê,Ü,·BDOS VM,í Windows 98/ME,ì DOS fEfBf"fhfE,ÅŽÀ[]s,·,é DOS
fAfVfŠfP[]fVf†f",²,Æ,ì,½,ß,É 1 ,Á, , ,Ä[]- ,³,ê,Ü,·B
Windows ŠÀ«%0º,Å%0¼'zf}fVf",í%0¼'zf[]f,ŠfŠf}f[]fWff,É,æ,Á,Ä[]- ,³,ê,Ü,·B[]- ,³,ê,é
%0¼'zf}fVf",ì 1 ,Á,í Windows Ž©'ì (fVfXfef€,ì%0¼'zf}fVf") —p[]A1 ,Á,í 16 frfbfg,ì Windows
fAfVfŠfP[]fVf†f"—p[]A1 ,Á,í"ñ Windows fAfVfŠfP[]fVf†f"—p,Á,·B

%o¼'zf□f,fŠf}fI□[fWff

%¼'zf,fš

fvfOf%€ÉŽg,í,éf,fš,ì—e—Ê,ð,â,·,½,ß,ì<ZpBfn[fhfffBfXfNä,ì—ì^æ,ðŽg,Á,Ä [RAM](#)
,ðVf~f...fC[f,g,μ,Ü,·B,±,ì—ì^æ,^a Windows ,ìXf[fbvftf@fCf<,Á,·B

u%¼'zf,fšv,Æ,ç,κ—pCê,íufXf[fbvftf@fCf<v,Æ“~<,ÁŽg,κ,±,Æ,^a,è,Ü,·BRAM

,ÉfjyfC[fefBf“fOfVfXfef€,ÁfvfOf%€

,ðŽÁ[s,·,é,½,ß,ÉŽg,κfffBfXfN,ðŠÜ,ß,½ì<Æf,fš,ì±Cev,ðŽw,·^Ó-ì,ÁŽg,κ,±,Æ,à,è,Ü,·B

Šö”□◀f□f,fš

“dCE¹,^a∅,è,é,Æff□[f^,□ÁŽ,,:éRf“fsf...□[f^,íf□f,fš,ìŽí—p□BDRAM f`fbfv (PC ,ìŽâ<L%o` RAM)
,Æ SRAM f`fbfv,íf□f,fš,ÍŠö”□◀f□f,fš,Å,·□B

f{fŠf...[f€ (~_—[fffbfxfN)

fRf“fsf...[f^,iff[f^,đSi”[.,é,½,ß,ÉŽg,í,ê,ééŠ□B,Ç,lf{fŠf...[f€,É,àRf“fsf...
□[f^,ªŽ~•Ê,.,é,½,ß,ìd•j,ì,È,çf%oofxf<,ª•t,«,Ü,·□B

1 ,Â,lf{fŠf...[f€,í 1 ‘ä,iffbxfxfN□A1 ‘ä,iffbxfxfN,ì^ê•”□A•j□”,iffbxfxfN,ì^ê•”□A1 -
{,lfe□[fv,É,Ç,l,ç,,ê,©,Â,□B’â—e—Ê,lf□[fhfffBfxfN,ì,ç,,Â,©,l•”•ª,É•ªŠ,,Â,«,Ü,·□B,»,x
,.,é,Æ□A,½,Æ,ì““,¶•”—[fffbfxfN,Éff□[f^,ª, ,Â,À,àRf“fsf...[f^,ª•j□”,ì•ÊCEÀ,lf{fŠf...[f€
,Æ,μ,Ä^μ,ç,Ü,·□B,±,ê,lf|fbfgf□□[fn,Å<α—L,³,é,é’âCE^fhf%oofCfu,É,æ,CE©,ç,ê,Ü,·□B“—
l,É□A^ê•”,lf|fyfCE□[fefBf“fOfVfxfef€,í•j□”,lf□[fhfffBfxfN,ì,ç,,Â,à,lf□[fefBfVf#f“,đ (%opŽš 1
•¶Žš,lfhf%oofCfu-¼,ÅŽ~•Ê,Â,«,é) ‘P^ê,lf{fŠf...[f€,Æ,μ,ÄCE<□‡,μ□AŠg’£□«,ì□,,çftfH□lf<fgfgfCEf
%oof“fX (1 ‘ä,lf□[fhfffBfxfN,ªCEì□á,μ,Ä,àVfxfef€,ì^âŽ~,đ-h,®•ûŽ®) ,đŽÀCE»,Â,«,Ü,·□Bf{fŠf...
□[f€,đufffbfxfNf{fŠf...[f€□v,Ü,½,ì□u~—[fffbfxfN□v,Æ,à,ç,ç,Ü,·□B,Ç,lf{fŠf...[f€,É,à“Æ—
š,μ,½fu□[fafCEfR□[fh□Af<□[fafffbfCFNfajŠ□AftfHf<f_fcfŠ□[.ª, ,è,Ü,·□B

f{fŠf...[f€f%ofxf'®□◀

,±,ìftf@fCf'®□◀,ĩ~_—fffbfXfN,ì-¼'O,đŠi"l,μ,ÄfffbfCefNfgfŠfGf"fgfŠ,đŽ^-Ê,μ,Ü,·□B,½,Æ,l,î□A1
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