

Networking

Datacomm and Terminal Controller Products (DTC)

Description

Datacomm and Terminal Controller

With up to 16 ports (DTC16). Must order one and only one LAN option (Opt. 640, 641, 642, 840, 841 or 842). The LAN option also provides the first six modem or eight direct connect ports. A maximum of one additional async option (Opt. 650 or 850) can be ordered. A maximum of one X.25 option (Opt. 310) can be ordered. Opt. 015 is required for 220V utilization.

Set of 220V. (Required for Europe and some Asia/Pacific countries.)

RS-232 DTC16/X.25 Network Access Card in the DTC16
Configure DTC16 for ThickLAN and provides six RS-232-C 25-pin modem connections installed in the DTC16.

(ThickMAU and 6m AUI cable provided.)

Configure DTC16 for AUI use and provides six RS-232-C 25-pin modem connections installed in the DTC16.

(No MAU provided.)

Configure DTC16 for ThinLAN and provides six RS-232-C 25-pin modem connections installed in the DTC16.

(BNC-T connector provided.)

Provides six additional RS-232-C 25-pin modem connections installed in the DTC16.

Configure DTC16 for ThickLAN and provides eight RS-232-C 25-pin direct connections installed in the DTC16.

(ThickMAU and 6m AUI cable provided.)

Configure DTC16 for AUI use and provides eight RS-232-C 25-pin direct connections installed in the DTC16.

(No MAU provided.)

Configure DTC16 for ThinLAN and provides eight RS-232-C 25-pin direct connections installed in the DTC16.

(BNC-T connector provided.)

Provides eight additional RS-232-C 25-pin direct connections installed in the DTC16.

Add-on DTC16 Asynchronous Connector Card

Provides eight additional RS-232-C 25-pin direct connections.

Add-on DTC16 Asynchronous Connector Card

Provides six additional RS-232-C 25-pin modem connections.

Add-on RS-232 DTC16 X.25 Network Access Card

Add-on DTC48 Asynchronous Connector Card

Provides eight additional RS-232-C 3-pin direct connections.

Add-on DTC48 Asynchronous Connector Card

Provides eight additional RS-422 5-pin direct connections.

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Add-on DTC48 Asynchronous Connector Card
Provides six additional RS-232-C 25-pin modem connections.
Add-on RS-232 DTC48 X.25 Network Access Card
Hardware Upgrade Kit (req'd for DTC48 with date code less than 2851)
Add-on V.35 DTC48 X.25 Network Access Card
Hardware Upgrade Kit (req'd for DTC48 with date code less than 2851)
HP ARPA Telnet Access
DTC48 Upgrade Kit Memory extension for the 2345A with date code less than 3110. Opt. 001 is required for any DTC48 with a date code less than 3110.
DTC Upgrade Kit Memory Extension
For the 2345A with date code less than 3110.
Select a System Support Option. Refer to Table 5 on page 143.
Datacomm and Terminal Controller Products (DTC) (cont'd)

Description

DTC16iX LAN Multiplexer
Replace 8 direct with 8 modem ports
DTC72MX Communication Server
Racking kit for 1100mm and 1600mm racks
24 RS-232 Direct connect ports
48 RS-232 Direct connect ports
72 RS-232 Direct connect ports
HP 3000 Telnet Access card
X.25/RS-232 Network Access card
X.25/V.35 Network Access card
24 RS-423 Direct connect ports
Replace 8 direct with 8 modem ports
24 RS-232 Direct Connect Card
Replace 8 direct with 8 modem ports
24 RS-423 Direct Connect Card
HP 3000 Telnet Access Card
Modem Distribution Panel Racking Kit
Accessories for DTC16iX, 16TN and 72MX
8-Port RS-232 Modem distribution panel
8-Port RS-232 Direct distribution panel
24-Port RS-232 Direct distribution panel
8-Port Multiport cable with HP 3-pin connectors
Racked DTC16iX LAN Multiplexer
Replace 8 direct with 8 modem ports
Racked DTC72MX Communication Server
24 RS-232 Direct connect ports
48 RS-232 Direct connect ports
72 RS-232 Direct connect ports
Replace 8 RJ-45 direct ports with 8 DB-25 modem ports
Add X.25 board with RS-232 interface
Add X.25 board with V.35 interface

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Add Telnet Access board
Add-On X.25 Network Access Card for DTC72MX
Add-on X.25 RS-232 Interface card for DTC72MX
Add-on X.25 V.35 Interface card for DTC72MX
HP OpenView Windows Workstation Upgrade Software
Upgrade to the OpenView Windows Workstation product (32054x)
HP OpenView DTC Manager upgrade
HP OpenView System Manager upgrade
HP OpenView Switch/PAD Manager (1 - 4 nodes) upgrade
HP OpenView Switch/PAD Manager (5 - 10 nodes) upgrade
HP OpenView Switch/PAD Manager (10 nodes) upgrade
HP OpenView DTC Manager
DTC management software for the PC. If HP OpenView Windows Workstation is ordered with HP OpenView DTC Manager option (32054D, Opt. 201), this removes the need to order D2355A. Select a System Support Option. Refer to Table 5 on page 143.
Datacomm and Terminal Controller Products (DTC) (cont'd)

Description

HP OpenView Windows Workstation
Application option (must order one Opt. 201 and one of the Opt. 204, 205 or 206 can be ordered concurrently.)
HP OpenView DTC Manager software
HP OpenView System Manager software
HP OpenView Switch/PAD Manager (1 - 4 M45 nodes) software
HP OpenView Switch/PAD Manager (5 - 10 M45 nodes) software
HP OpenView Switch/PAD Manager (10 M45 nodes) software.
Network connection options. (Must order one; only one among Opt. 101, 102 or 103 may be ordered per workstation.)
ThinLAN connection
ThickLAN connection
EtherTwist connection
Switch/PAD Manager connection (dual serial card, three serial cables)
Localization Options (must order one):
U.S.
Europe-English
Germany
Spain
France
Australia
Netherlands
Intercon
Latin America
Norway
Switzerland (German)
Switzerland (French)
Sweden

U.K.
Belgium
Finland
Denmark
Italy

DTC SPECIFIC CABLES

25-Pin Cable to 3-Pin Cable

For back-to-back configuration between 3-pin interface on the DTC48/ATP and a 25-pin interface on a multiplexer/DTC.

Modem Cable 25-Pin/25-Pin m/m

For use between DTC and System multiplexer in back-to-back configuration where the DRS signal (pin 23) is used.

Modem Cable 25-Pin/25-Pin m/m DRS Signal (pin 23)

For use between DTC and devices.

Select a System Support Option. Refer to Table 5 on page 143.

LAN Links

Description

Token Ring 3000/iX Network Link

User License option must align with MPE/iX License.

Hardware Option:

Token Ring HP-PB adapter card

Software Options:

20-user License

40-user License

64-user License

100-user License

160-user License

Unlimited user License

Credit for 20-user license

Credit for 40-user license

Credit for 64-user license

Credit for 100-user license

Credit for 160-user license

Credit for Unlimited user license

Upgrade credit for Option 310, Tier 1

Upgrade credit for Option 315, Tier 2

Upgrade credit for Option 320, Tier 3

Upgrade credit for Option 330, Tier 4

Upgrade credit for Option 335, Tier 5

Upgrade credit for Option 340, Tier 6

Upgrade credit for Option 350, Tier 7

Delete hardware/software manuals

ThinLAN 3000/V Network Link

For Series 37, MICRO 3000 or MICRO 3000XE

For EtherTwist

ThickLAN connection
For Series 39-42, 52
For Series 44, 48, 58
For Series 64-70
Return Credit for OfficeShare LAN
For Series 37, MICRO and MICRO XE
For Series 39-70
Return Credit for LAN
For Series 37 and MICRO's
For Series 39-70
Select a System Support Option. Refer to Table 5 on page 143.
LAN Links (cont'd)

Description

ThinLAN 3000/iX Network Link
User License option must align with MPE/iX License.
Hardware Options:
802.3 CIO LAN card
802.3 HP-PB LAN card
Software Options:
20-user License
40-user License
64-user License
100-user License
160-user License
Unlimited user License
Credit for 20-user license
Credit for 40-user license
Credit for 64-user license
Credit for 100-user license
Credit for 160-user license
Credit for Unlimited user license
Upgrade credit for Option 310, Tier 1
Upgrade credit for Option 315, Tier 2
Upgrade credit for Option 320, Tier 3
Upgrade credit for Option 330, Tier 4
Upgrade credit for Option 335, Tier 5
Upgrade credit for Option 340, Tier 6
Upgrade credit for Option 350, Tier 7
Credit for 99x DX
Delete software manuals
Return Credit for 802.3 CIO LAN Card
Select a System Support Option. Refer to Table 5 on page 143.
Wide Area Network Links

Description

NS X.25 3000/V Network Link
NS3000/V Documentation
DS X.25 to NS X.25 Migration guide
NetIPC Programmer kit
For Series 37, MICROs - RS-232 synch modem
For Series 37, MICROs - V.35 synch modem
For Series 37, MICROs - direct connect
DS Upgrade credit with purchase of H2355A
DS Upgrade credit
For Series 37, MICROs - software only
For Series 39-58 - RS-232 synch modem connect
For Series 39-58 - V.35 synch modem connect
For Series 39-58 - direct connect
DS Upgrade credit for Series 39-58 with H2355A
DS Upgrade credit for Series 39-58
For Series 39-58 - software only
For Series 64-70 - RS-232 synch modem connect
For Series 64-70 - V.35 synch modem connect
For Series 64-70 - direct connect
DS Upgrade credit with purchase of H2355A
DS Upgrade credit
For Series 64-70 - software only
Return Credit for NS X.25 3000/V Network Link
For Series 37, MICROs
For Series 39-70
Upgrade Credit for NS X.25/iX Server
NS Point-to-Point 3000/V Link for Series 37, MICROs
Compatible with NS3000/V (32344A/R).
Connection to synchronous modem
Connection to V.35 digital phone network
Connection to synchronous modem with autocal
DS Upgrade credit with purchase of H2355A
DS Upgrade credit
For Series 37 - software only
Add-on INP with connect to synchronous modem
Add-on INP with connect to V.35 network
Add-on INP with connect to modem with autocal
NS Point-to-Point 3000/V Link for Series 39-70
Compatible with NS3000/V (32344A/R).
For Series 37 - software only
For Series 39-42, 52 - synchronous modem
For Series 39-42, 52 - V.35
For Series 39-42, 52 - autocal connect
DS Upgrade credit with purchase of H2355A
DS Upgrade credit
For Series 39-58 - no hardware
For Series 44, 48, 58-70 - synchronous modem
Select a System Support Option. Refer to Table 5 on page 143.

Wide Area Network Links (cont'd)

Description

NS Point-to-Point 3000/V Link for Series 39-70 (cont'd)
For Series 44, 48, 58-70 - V.35
For Series 44, 48, 58-70 - autocal connect
DS Upgrade credit
DS Upgrade credit
For Series 70 - no hardware
Series 37, MICROs - add-on INP with synchronous modem
Series 39-42, 52 - add-on INP with synchronous modem
Series 39-42, 52 - add-on INP with V.35
Series 39-42, 52 - add-on INP with autocal
Series 44, 48, 58-70 - add-on INP with synchronous modem
Series 44, 48, 58-70 - add-on INP with V.35
Series 44, 48, 58-70 - add-on INP with autocal
Asynchronous HP Serial Network Link
For Tier 1 SPUs, one RTU/sublicense
For Tier 3 SPUs, one RTU/sublicense
For Tier 4 SPUs, one RTU/sublicense
NS Point-to-Point 3000/iX
User License option must align with MPE/iX License.
Select one PSI option AND one Cable option
AND one Software option:
PSI Options:
Central Bus PSI
Precision Bus PSI
No PSI (software only)
Cable Options:
RS-232 connection
V.35 connection
RS-232 autodial connection
No cable (software only)
Software Options:
20-user License
40-user License
64-user License
100-user License
160-user License
Unlimited user License
Credit for 20-user license
Credit for 40-user license
Credit for 64-user license
Credit for 100-user license
Credit for 160-user license
Credit for Unlimited user license
Upgrade credit for Option 310, Tier 1

Upgrade credit for Option 315, Tier 2
Upgrade credit for Option 320, Tier 3
Upgrade credit for Option 330, Tier 4
Upgrade credit for Option 335, Tier 5
Upgrade credit for Option 340, Tier 6
Select a System Support Option. Refer to Table 5 on page 143.
Wide Area Network Links (cont'd)

Description

NS Point-to-Point 3000/iX (cont'd)
Upgrade credit for Option 350, Tier 7
Hardware only
X.25/iX System Access
User License option must align with MPE/iX License.
20-user License
40-user License
64-user License
100-user License
160-user License
Unlimited user License
Credit for 20-user license
Credit for 40-user license
Credit for 64-user license
Credit for 100-user license
Credit for 160-user license
Credit for Unlimited user license
Upgrade credit for Option 310, Tier 1
Upgrade credit for Option 315, Tier 2
Upgrade credit for Option 320, Tier 3
Upgrade credit for Option 330, Tier 4
Upgrade credit for Option 335, Tier 5
Upgrade credit for Option 340, Tier 6
Upgrade credit for Option 350, Tier 7
Return Credit for X.25 Network Link
For Series 37, MICROs
For Series 39-70
Return Credit for Point-to-Point Hardwired Link
For Series 37, MICRO and MICRO XE
For Series 39-70
Return Credit for Point-to-Point Modem Link
For Series 37, MICRO and MICRO XE
For Series 39-70
Select a System Support Option. Refer to Table 5 on page 143.
Asynchronous PADs

Description

X.25/PAD - Multiplexer
220V/50Hz operation
4 Modem connect ports
19-inch Rack mount kit
4 Modem connect
Cable Between 2335 and ATC/DTC Printer Ports
Cable Between 2335 and ATC/DTC Terminal Ports
Upgrade Kit Between 2335A and New Version 2335A X.25/84
Additional 4 Modem Connect Ports
Upgrade 4 dir. connect ports to 4 modem connect ports 2334A Plus
Additional 4 Ports for 2335A
19-inch Rack Mount Kit for 2335A
19-inch Rack mount kit

X.25 Switches
HP MODEL 45 PLUS/18-PORTS VERSION
Model 45 Plus 6 Ports
Additional 6-port ALP Card, maximum two
Monitor Package, optional
RS-232 MAP Cable, six RS-232 Ports
V.35 MAP Cable, two V.35/4 RS-232 Ports
X.21 MAP Cable, two X.21/4 RS-232 Ports
RS-499 MAP Cable, two RS-449/4 RS-232 Ports

HP MODEL 45 PLUS/30-PORTS VERSION
Model 45 Plus 6 Ports
Additional 6-port ALP Card, maximum four
Monitor Package, optional
RS-232 MAP Cable, six RS-232 Ports
V.35 MAP Cable, two V.35/4 RS-232 Ports
X.21 MAP Cable, two X.21/4 RS-232 Ports
RS-499 MAP Cable, two RS-449/4 RS-232 Ports
Model 45 to Model 45 Plus Conversion Kit
Conversion kit from HP Model 45 to Model 45 Plus includes
one ALP 6-port card, software and manuals.
OpenView Switch/PAD Manager
For M45 and 2334A/2335A
Switch/PAD Manager software, cables and User License for
1-4 M45 nodes
Switch/PAD Manager software, cables and User License for
1-10 M45 nodes
Switch/PAD Manager software, cables and User License for
unlimited number of M45 nodes
User license upgrade from Opt. 204 to Opt. 205
User license upgrade from Opt. 205 to Opt. 206
4-Port Switch - DESKTOP PACKAGE
(Max: 8 sync. ports plus 4 async. ports.) Includes Multiprotocol

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LP Card, Node boot-up software and installation & service manual.
Select a System Support Option. Refer to Table 5 on page 143.
X.25 Switches (cont'd)

Description

4-Port Switch - TOWER PACKAGE

(Max: 20 ports.) Includes Multiprotocol LP Card, Node boot-up software and installation & service manual.

Additional 4-Port Multiprotocol Card

For Model 75 switching nodes (J2020A & J2021A).

Network Management Processor

For Model 75 network. Includes Vectra 286/12 M46, 2 Mb expanded memory, dual serial link, 2 PIA cards, M75 and NMP software, Xerox O/S and Security Lock.

VGA Monitor 100/120V

VGA Monitor 200/240V

Delete monitor (large display monitor ordered separately)

Modems

Codex 3500 DSU/CSU

For HP Remote bridge and 2335A multiplexer.

Codex 3380 19.2K bps Modem

For 2335A multiplexer.

Codex 3380 19.2K bps Modem

For 2335A multiplexer (dial restore option included).

Codex 2680 Data Modem

Dual dial restore unit

Hayes Smartmodem(tm)

1200, 60Hz, 120 Vac

Hayes Smartmodem(tm)

2400, 60Hz, 120 Vac

HP 3000 Terminal/Plotter Cables, Point-to-Point Connections

Hardwired/Modem Extender Cable (7.6m/25 ft.)

Replace with 15.2m (50 ft.)

Replace with 30.5m (100 ft.)

Hardwired Extender Cable (7.6m/25 ft.)

Adapter Cable, 3-pin to 25-pin (5m/16 ft.)

HP-Direct Connect RS-232 Ext. Cable (15m/50 ft.)

HP-Direct Connect RS-422 Ext. Cable (30m/99 ft.)

RS-232-C Printer Cable

HP-Direct Connect RS-422 Cable

HP-Direct Connect RS-232 Cable

RS-232-C Cable for 2392A (5m/16 ft.)

ASI to RS-422 Cable (1.5m)

(male/male)
Modem Cable (1.5m)
(male/unterminated)
Direct Connect Extension Cable (10.5m)
(male/female)
RS-232-C Serial Interface for Series 800
Select a System Support Option. Refer to Table 5 on page 143.
HP 3000 Terminal/Plotter Cables, Point-to-Point Connections (cont'd)

Description

U.S. Modem Cable (15m/50 ft.)
For port two of 262X and 238X terminals, U.S. and Intercon only.
European Modem Cable (15m/50 ft.)
For port two of 262X and 238X terminals.
Repeater FEP AUI (20m)
RS-232-C Connector Kit
(male/4 ea.)
RS-422 Connector Kit
(male/4 ea.)
RS-422 Connector Kit
(female/4 ea.)

ThinLAN Cables and Accessories

ThinLAN Coax Cable (with BNC connectors installed):
1 meter coax cable
2 meter coax cable
4 meter coax cable
8 meter coax cable
16 meter coax cable
32 meter coax cable
64 meter coax cable
128 meter coax cable
ThinLAN Accessories
BNC Connector pair for 92227J/K
BNC Connector tool kit for 92227J/K
BNC "T" Connector
ThinLAN Terminator pair
Backbone LAN MAU and Tap
LAN MAU and Installation kit (order once)
LAN Surge protector and wall mounting plate
Backbone LAN AUI Cables (with connectors attached):
6 meter FEP AUI cable
12 meter FEP AUI cable
24 meter FEP AUI cable
48 meter FEP AUI cable
6 meter PVC (11) AUI cable

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12 meter PVC AUI cable
24 meter PVC AUI cable
48 meter PVC AUI cable
Backbone LAN Coax Cables (including connectors and terminators):
23.4 meter FEP without terminators attached
23.4 meter FEP with terminators attached
117 meter FEP without terminators attached
500 meter FEP without terminators attached
23.4 meter PVC without terminators attached
23.4 meter PVC with terminators attached
117 meter PVC without terminators attached
50 meter PVC without terminators attached
Select a System Support Option. Refer to Table 5 on page 143.
ThinLAN Cables and Accessories (cont'd)

Description

Backbone LAN Coax Cable Tools for Attaching Connectors (order once):
LAN Coax installation tool kit
LAN Coax crimp tool
N-Connectors, male, package of four
Barrel N-Connectors, female, and insulators, package of two
One grounding terminator and one floating point terminator with insulator

EtherTwist Transceiver Family
EtherTwist Transceiver
Fiber Optic Transceiver
ThinLAN Transceiver
ThickLAN Transceiver

HP 3000 HP-IB, HP-FL and INP Cables
HP-IB Cable (1m/3.3 ft.)
HP-IB Cable (2m/6.6 ft.)
HP-IB Cable (4m/13.2 ft.)
HP-IB Cable (0.5m/1.6 ft.)
Adapter
Extends HP-IB connector 2.3cm.
Long P-Bus Cable
To connect HP-FL drive in adjacent 19511A cabinets.
Long P-Bus Cable
To connect array drive to adjacent cabinet.
Long P-Bus Cable
To connect array drive to other HP-FL disks.
Short P-Bus Cable
.8 m cable used to connect the C225X HP-FL disk arrays
to a C2204, C2201 or 7937FL.

HP-IB Interface for 7570A, 7575A and 7576A

EtherTwist Hub Family
HP Fiber-Optic Hub Plus
HP EtherTwist Hub/12
HP EtherTwist Hub Plus
HP EtherTwist Hub 8
HP ThinLAN Hub Plus
HP EtherTwist Hub Plus 48
HP EtherTwist Hub/12 Upgrade Kit
Localization options required on all Hubs.
Select a System Support Option. Refer to Table 5 on page 143.
HP Bridge Family

Description

HP 10:10 LAN Bridge MB (managed)
HP 10:10 LAN Bridge Upgrade Credit
HP Remote Bridge RB
V.35 Synchronous Cable
RS-232 Synchronous Cable
X.21 Synchronous Cable
RS-442/449 Synchronous Cable
HP 10:10 LAN Bridge LB (un-managed)
Localization options required on all Bridges.

HP Router Family
HP Router ER
V.35 Synchronous Cable
RS-232 Synchronous Cable
X.21 Synchronous Cable
RS-442/449 Synchronous Cable
HP Router TR
V.35 Synchronous Cable
RS-232 Synchronous Cable
X.21 Synchronous Cable
RS-442/449 Synchronous Cable
HP Router SR
V.35 Synchronous Cable
RS-232 Synchronous Cable
X.21 Synchronous Cable
RS-442/449 Synchronous Cable
HP Router FR
V.35 Synchronous Cable
RS-232 Synchronous Cable
X.21 Synchronous Cable

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RS-442/449 Synchronous Cable
HP Router CR
Table Top Enclosure
25 ft RS-232 to 9-Pin M-M Modem Cable
HP Router Software
Base Router Software Package Plus X.25/Frame Relay
Expanded Router Software Package
Expanded Router Software Package Plus
Interface cards for the Router CR
Dual-Port Ethernet/802.3 Synchronous Interface
V.35 Synchronous Cable
RS-232 Synchronous Cable
RS-442 Synchronous Cable
X.21 Synchronous Cable
Select a System Support Option. Refer to Table 5 on page 143.
HP Router Family (cont'd)

Description

Four-Port Synchronous Interface
V.35 Synchronous Cable
RS-232 Synchronous Cable
RS-442 Synchronous Cable
X.21 Synchronous Cable
Quad-Port Ethernet/802.3 Synchronous Interface
Dual-Port Token Ring Interface
Single-Port FDDI Interface

Network Management
HP OpenView Hub Manager
HP OpenView Interconnect Manager/DOS
HP OpenView Network Resource Manager
Select a System Support Option. Refer to Table 5 on page 143.

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Product No./ Option No.	PRICE
2340A	\$1210
Opt. 015	N/C
Opt. 310	2,400
Opt. 640	1,520
Opt. 641	1,120
Opt. 642	1,150
Opt. 650	840
Opt. 840	1,520
Opt. 841	1,120
Opt. 842	1,150
Opt. 850	840
2343A	1,140
2343C	1,140
2343D	2,700
2346A	1,595
2346B	2,130

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2346C	1,595
2346D	3,000
Opt. 001	100
2346E	3,000
Opt. 001	100
2347A	3,000
Opt. 001	1,290
2348A	1,355

Product No./
Option No.

PRICE

J2062A	\$2160
Opt. UG5	300
J2070A	2,800
Opt. 1AC	N/C
Opt. 001	3,400
Opt. 002	6,800
Opt. 003	10,200
Opt. 004	3,000
Opt. 1CW	2,400
Opt. 1CX	2,400
Opt. UG4	4,300
Opt. UG5	300
J2076A	3,700
Opt. UG5	300
J2077A	4,700
J2080A	3,300
J2084A	300
J2085A	
Opt. 101	350
Opt. 102	180
Opt. 103	350
Opt. 104	180
J2062AZ	2,160
Opt. UG5	300
J2070AZ	2,800
Opt. 001	3,400
Opt. 002	6,800
Opt. 003	10,200
Opt. UG5	300
Opt. 1CW	2,400
Opt. 1CX	2,400

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Opt. 004	3,000
J2079A	N/C
Opt. 1CW	2,700
Opt. 1CX	2,700
D1824C	1,060
Opt. 201	1,050
Opt. 202	350
Opt. 204	1,750
Opt. 205	3,150
Opt. 206	4,690
D2355A	1,575

Product No./
Option No.

PRICE

32054D \$7500

Opt. 201	1,895
Opt. 202	800
Opt. 204	2,575
Opt. 205	4,635
Opt. 206	6,900

Opt. 101	450
Opt. 102	850
Opt. 103	445
Opt. 104	515

Opt. ABA	N/C
Opt. ABB	N/C
Opt. ABD	N/C
Opt. ABE	N/C
Opt. ABF	N/C
Opt. ABG	N/C
Opt. ABH	N/C
Opt. ABK	N/C
Opt. ABM	N/C
Opt. ABN	N/C
Opt. ABP	N/C
Opt. ABQ	N/C
Opt. ABS	N/C

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Opt. ABU	N/C
Opt. ABW	N/C
Opt. ABX	N/C
Opt. ABY	N/C
Opt. ABZ	N/C

40230A	\$155
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40233A	75
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40234A	75
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Product No./ Option No.	PRICE
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J2167A	N/C
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Opt. AL4	\$1550
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Opt. 0AF	250
Opt. UCY	450
Opt. UA9	725
Opt. UBD	2,500
Opt. UCN	3,170
Opt. UAT	7,450
Opt. UD8	-200
Opt. UCZ	-360
Opt. UB9	-580
Opt. UD9	-2,000
Opt. UDV	-2,540
Opt. UBP	-5,960
Opt. OCD	-200
Opt. 0GJ	-275
Opt. 0CE	-425
Opt. 0CF	-500
Opt. 0GL	-1,500
Opt. 0GM	-3,250
Opt. UEK	-4,000
Opt. 0B0	N/C
30240A	N/C
Opt. 100	5,070
Opt. 142	N/C

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Opt. 242	N/C
Opt. 300	9,610
Opt. 400	9,610
Opt. 500	10,200
30240AN	N/C
Opt. 100	-500
Opt. 200	-800
30242AN	N/C
Opt. 100	-500
Opt. 200	-800

Product No./
Option No.

PRICE

36923A	N/C
Opt. 001	\$1050
Opt. 002	1,550
Opt. 0AF	1,800
Opt. UCY	2,000
Opt. UA9	2,300
Opt. UBD	4,100
Opt. UCN	4,725
Opt. UAT	9,625
Opt. UD8	-1,440
Opt. UCZ	-1,600
Opt. UB9	-1,840
Opt. UD9	-3,280
Opt. UDV	-3,780
Opt. UBP	-7,700
Opt. OCD	-1,440
Opt. OGJ	-1,600
Opt. OCE	-1,750
Opt. OCF	-2,100
Opt. OGL	-3,100
Opt. OGM	-3,750
Opt. UEK	-7,000
Opt. OHR	-7,000
Opt. OB0	N/C
36923AN	-500

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24405A	N/C
Opt. 001	N/C
Opt. 002	N/C
Opt. 003	N/C
Opt. 110	\$5870
Opt. 120	5,870
Opt. 135	5,870
Opt. 150	-1,420
Opt. 151	-1,140
Opt. 190	2,840
Opt. 310	9,040
Opt. 320	9,040
Opt. 335	9,040
Opt. 350	-2,000
Opt. 351	-2,000
Opt. 390	4,015
Opt. 410	10,950
Opt. 420	10,950
Opt. 435	10,950
Opt. 450	-4,115
Opt. 451	-3,290
Opt. 490	8,230
24405AN	N/C
Opt. 100	-500
Opt. 200	-800
30041AN	-7,625
30284A	N/C
Opt. 110	3,435
Opt. 120	3,435
Opt. 125	3,435
Opt. 150	-580
Opt. 151	-465
Opt. 190	1,305
Opt. 810	2,385
Opt. 820	2,385
Opt. 825	2,385
30285A	N/C
Opt. 190	1,305
Opt. 310	6,650
Opt. 320	6,850
Opt. 325	6,650
Opt. 350	-1,475
Opt. 351	-1,180
Opt. 390	3,330
Opt. 410	8,010

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30285A	
Opt. 420	\$7780
Opt. 425	7,780
Opt. 450	-2,640
Opt. 451	-2,110
Opt. 490	5,950
Opt. 610	1,670
Opt. 710	4,435
Opt. 720	4,570
Opt. 725	4,570
Opt. 810	4,570
Opt. 820	4,570
Opt. 825	4,570
32003A	N/C
Opt. 310	790
Opt. 020	1,295
Opt. 030	2,315
36922A	N/C
Opt. 001	N/C
Opt. 002	N/C
Opt. 090	-2,400
Opt. 010	N/C
Opt. 020	N/C
Opt. 025	N/C
Opt. 099	N/C
Opt. 0AF	3,500
Opt. UCY	4,500
Opt. UA9	5,750
Opt. UBD	8,750
Opt. UCN	11,250
Opt. UAT	14,500
Opt. UD8	-880
Opt. UCZ	-1,680
Opt. UB9	-2,680
Opt. UD9	-5,080
Opt. UDV	-7,080
Opt. UBP	-9,680
Opt. OCD	-600

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Opt. 0GJ	-1,000
Opt. 0CE	-1,500
Opt. 0CF	-2,500
Opt. 0GL	-3,500
Opt. 0GM	-4,160

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36922A	
Opt. UEK	-\$5000
Opt. 399	2,400
36939A	N/C

Opt. 0AF	400
Opt. UCY	800
Opt. UA9	1,280
Opt. UBD	5,500
Opt. UCN	9,000
Opt. UAT	15,500
Opt. UD8	-320
Opt. UCZ	-640
Opt. UB9	-1,024
Opt. UD9	-4,400
Opt. UDV	-7,200
Opt. UBP	-12,400
Opt. 0CD	-300
Opt. 0GJ	-400
Opt. 0CE	-600
Opt. 0CF	-1,000
Opt. 0GL	-3,500
Opt. 0GM	-4,500
Opt. UEK	-8,500
32187AN	N/C
Opt. 100	-500
Opt. 200	-800
30270AN	N/C
Opt. 100	-500
Opt. 200	-800
30271AN	N/C
Opt. 100	-500
Opt. 200	-800

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2335A	\$1765
Opt. 015	N/C
Opt. 123	990
Opt. 263	340
Opt. G23	945
40220A	76
40221A	76
40235A	375
40261A	1,145
Opt. 001	-530
40262A	1,015
40263A	340
Opt. 263	N/C

J2000B	\$5990
J2004B	4,200
J2007B	1,000
J2030A	525
J2031A	1,050
J2032A	1,050
J2033A	1,260

J2001B	\$9450
J2004B	4,200
J2007B	1,000
J2030A	525
J2031A	1,050
J2032A	1,050
J2033A	1,260
J2005B	4,950

J2017A	N/C
Opt. 204	3,090
Opt. 205	5,150
Opt. 206	7,416
Opt. 245	2,060
Opt. 256	2,266
J2020A	9,300

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J2021A	\$14950
J2024A	5,140
J2027A	20,600
Opt. 0E2	N/C
Opt. 0E3	N/C
Opt. 1A0	-200
CODX-3500	\$750
CODX-3380A	3,295
CODX-3380B	3,950
32068B	7,755
Opt. 030	650
92205A	399
92205B	499
30062C	\$129
Opt. 001	50
Opt. 002	119
30062D	79
30152A	205
30153A	232
30154A	232
40242G	77
40242P	77
40242X	77
40242Y	108
45111A	130

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45112A	105
45113A	130
82919A	210

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92218A	\$110
92218B	122
92223C	345
92224A	51
92225A	51
92225B	51

92227A	\$25
92227B	27
92227C	29
92227D	33
92227E	39
92227F	51
92227G	76
92227H	126

92227L	23
92227M	450
92227N	28
92227P	23
30241A	400
92256C	39
92256E	90

92254A	135
92254B	200
92254C	345
92254D	635
92254E	85

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92254F	110
92254G	160
92254H	250
92253A	400
92253B	425
92253C	1,500
92253D	6,000
92253E	200
92253F	225
92253G	500
92253H	2,100

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92256A	\$185
92229B	199
92253J	60
92253K	65
92253L	60

28685B	\$135
28683A	499
28641B	239
30241A	400

10833A	\$80
10833B	90
10833C	100
10833D	80
10834A	31

13367A	120
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19572A	126
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19573A	126
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19573P	126
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17570A	295
28682A	\$3299
28684B	1,195
28688B	1,595
28691A	650
28692A	2,900
28699A	3,995
J2351A	699

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28673A	\$3990
Opt. OCZ	-3,000
28674B	3,500
Opt. 001	N/C
Opt. 002	N/C
Opt. 003	N/C
Opt. 004	N/C
28681A	1,950

27285A	\$8000
Opt. 001	N/C
Opt. 002	N/C
Opt. 003	N/C
Opt. 004	N/C
27286A	8,500
Opt. 001	N/C
Opt. 002	N/C
Opt. 003	N/C
Opt. 004	N/C
27288A	6,500
Opt. 001	N/C
Opt. 002	N/C
Opt. 003	N/C
Opt. 004	N/C
27289A	4,500
Opt. 001	N/C
Opt. 002	N/C
Opt. 003	N/C

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Opt. 004	N/C
27270B	6,800
Opt. 012	300
Opt. 031	85
Opt. 080	N/C
Opt. 081	1,925
Opt. 082	1,500
Opt. 083	3,000
27272B	11,000
Opt. 032	150
Opt. 033	85
Opt. 034	110
Opt. 035	150

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27276B	\$10000
Opt. 032	150
Opt. 033	85
Opt. 034	110
Opt. 035	150
J2352A	11,000
J2353A	11,000
J2354A	13,000
28686D	\$2000
27256D	4,000
27257A	2,000