Neue SNMP/Web Karten

- **SNMP/Web Minislot Karte**
- **SNMP/Web Transverse Karte**

www.mgeups.com

M G E
UPS SYSTEMS

2 new cards
for UPS monitoring via SNMP + Web

▶ **SNMP/Web Minislot card Ref 66244**

> form factor : fits in the mini-slot of the Line interactive and small ON-Line products

> UPS range : Pulsar Evolution / Extreme C / ESV+ / EX 7&10

> fully replaces SNMP card ref 66245

▶ **SNMP/Web Transverse card Ref 66074**
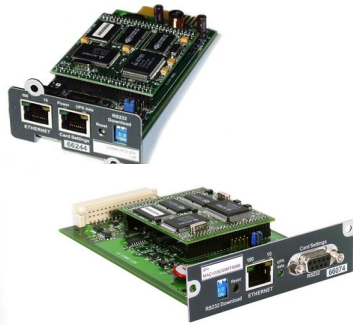
> form factor : I2C Transverse Communication Card

> UPS range : Extreme, Galaxy 3000, Galaxy PW and other UPSs through Multislot

> fully replaces SNMP card ref 66062

**2 form factors
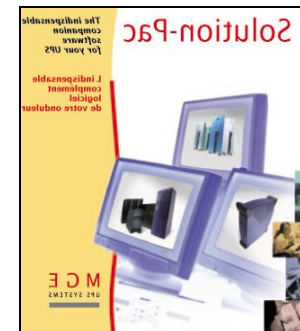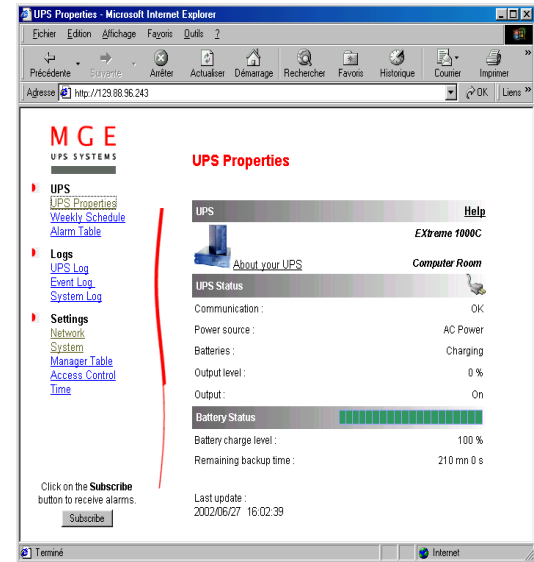1 unique firmware => same features !**

Features

SNMP/Web cards

HTTP

UPS monitoring
from a simple browser
(Internet Explorer,
Netscape Navigator, ….)
+
card configuration

SNMP

UPS monitoring
from MGE tools
(UMConsole, UM Vision)
or from any NMS
+
system shutdown
with UM-Client

New features

	New SNMP/Web cards Ref 66074 & 66244	**Previous SNMP cards Ref 66062 & 66245**
Ethernet connection	10 & **100** MB	10 MB only
UPS Monitoring	**Web browser (HTTP)** NMS (SNMP) MGE UM-Console/Vision (SNMP)	No NMS (SNMP) MGE UM-Console/Vision (SNMP)
Event notification	SNMP traps **Java applet for the browser**	SNMP traps
Log file management	**Exportable logged data**	No
Connected clients	up to **32** clients	up to 8 clients (Ref 66245) up to 24 clients (Ref 66062)
Ease of Installation	**Web interface for card settings** **Auto-discovery of UPSs** **Customizable** community name & trap port number	No No No

2 key points
on the MGE SNMP/Web cards

SNMP/Web cards

▶ **10 & 100 Mb Ethernet connection**
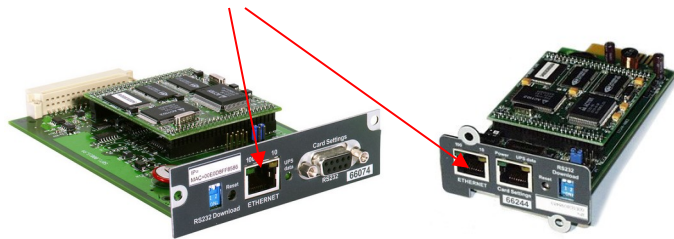
▶ **a Java applet can be activated**
to notify UPS alarms
to the administrator
(this feature is unique
to MGE)
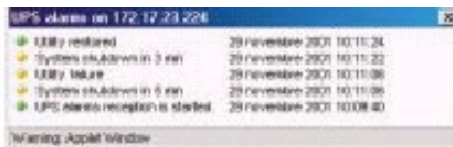
▶ Logs
  UPS Log
  Event Log
  System Log

▶ Settings
  Network
  System
  Manager Table
  Access Control
  Time

Abo

UPS Status

Communicati

Power source

Batteries :

Output level :

Output :

Battery Stat

Battery charg

Remaining b

Click on the **Subscribe**
button to receive alarms.

Subscribe

Last update :
2002/06/27

Monitoring page within a browser

MGE UPS SYSTEMS

MGE
UPS SYSTEMS

UPS Properties

UPS
- UPS Properties
- Weekly Schedule
- Alarm Table

Logs
- Measurements
- Event Log
- System Log

Settings
- Network
- System
- Manager Table
- Access Control
- Time

Click on the **Subscribe** button to receive alarms.

UPS

About your

UPS Status

Weekly Schedule

Event Log data

Evolution 800

Date (yyyy/mm/dd)	Time (hh:mm:ss)	Event Description
2002/11/06	14:22:50	Utility failure
2002/11/06	14:22:51	UPS off sequence started
2002/11/06	14:22:51	Outlet 1 off sequence started
2002/11/06	14:22:51	Outlet 2 off sequence started
2002/11/06	14:22:51	Output on battery
		ty restored
		urn on UPS
		ty failure
		off sequence started
		et 1 off sequence started
		et 2 off sequence started

Evolution

D

Sunday
Monday
Tuesday
Wednesd
Thursday
Friday
Saturday

Save

Measurements

Evolution 800

Log Date (yyyy/mm/dd)	Log Time (hh:mm:ss)	Input Voltage (Volt)	Input Frequency (Hertz)	Output Voltage (Volt)	Output Load (%)	Battery Capacity (%)	Remainin Time (mn
2002/11/06	15:00:00	225	50	225	6	93	67
2002/11/06	15:01:00	225	50	225	6	93	69
2002/11/06	15:02:00	225	49	225	6	93	67
2002/11/06	15:03:00	224	49	224	6	93	67
2002/11/06	15:04:00	224	49	225	6	93	67
2002/11/06	15:05:00	224	49	224	6	93	67
2002/11/06	15:06:00	224	50	224	6	93	67
2002/11/06	15:07:00	225	50	224	6	93	67
2002/11/06	15:08:00	224	50	224	6	93	67
2002/11/06	15:09:00	225	49	225	6	93	67
2002/11/06	15:10:00	224	50	224	6	93	67

Settings through web interface

SNMP/Web cards

M G E
UPS SYSTEMS

UPS Properties

- **UPS**
  UPS Properties
  Weekly Schedule
  Alarm Table

- **Logs**
  Measurements
  Event Log
  System Log

- **Settings**
  Network
  System
  Manager Table
  Access Control
  Time

Click on the
Subscribe button to
receive alarms.

UPS

Network Settings

System Settings

Access Control

| | Help |

oom Manager

oom

Evolution 800   **Help**

Enter New Manager Login :	MGEUPS
Enter New Password :	★★★★★★
Confirm New Password :	★★★★★★

| Current community Read-Only is : | public |
| Change Community Read-Only : | public |

| Current community Read/Write is : | public |
| Change Community Read/Write : | public |

| Change Trap Port Number : | 162 |

anges

From old catalogue ……..

SNMP Card 10 Mb
for Evolution/Extreme C/ESV+/EX7-10/ EX (US)

SNMP Card 10 Mb
for Extreme/3 phase UPSs/Multislot

Solution-Pac WAN (UM-Agent/Client/Console)
available on CD + free download

…….to new catalogue :

SNMP & Web Card 10 /100
for Evolution/Extreme C/EX (US)

SNMP & Web Card 10 /100
for Extreme/3 phase UPSs/Multislot

Solution-Pac WAN (UM-Agent/Client/console)

XML-Web Card 10/100
for Extreme/3 phase UPSs/Multislot

UPS Web-Pac (XML-@gent/XML-Client)

MGE integrated web-based architecture

▶ **XML-Web card & UPS Web-Pac**

www.mgeups.com

MGE
UPS SYSTEMS

MGE web-based integrated architecture

SNMP/Web cards

- **XML-Web card Ref 66073**

    > form factor : I2C Transverse Communication Card

    > UPS range : Extreme, Galaxy 3000, Galaxy PW and other UPSs through Multislot

    > Not for the slot of Pulsar Evolution / Extreme C / EX !
    (with these models, use XML-@gent or Multislot)

- **UPS Web-Pac (XML-@gent/XML-Client)**

    > available only through free download (no CD)

    > available on www.mgeups.com , download area

Features

SNMP/Web cards

HTTP/XML
SSL

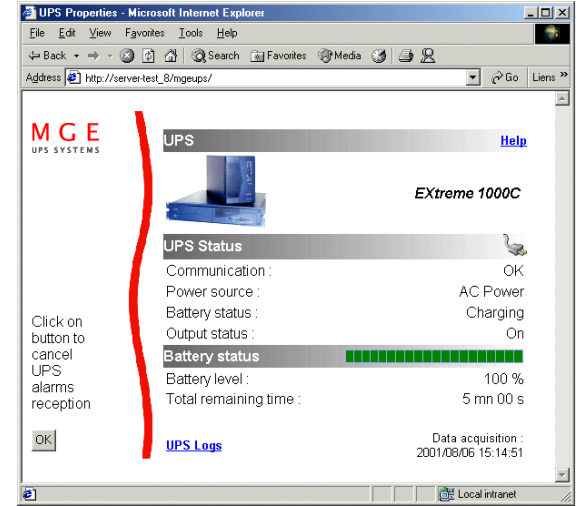**UPS monitoring**
from a simple browser
(Internet Explorer,
Netscape Navigator, ….)
+
card configuration

XML-Web card

HTTP/XML
SSL

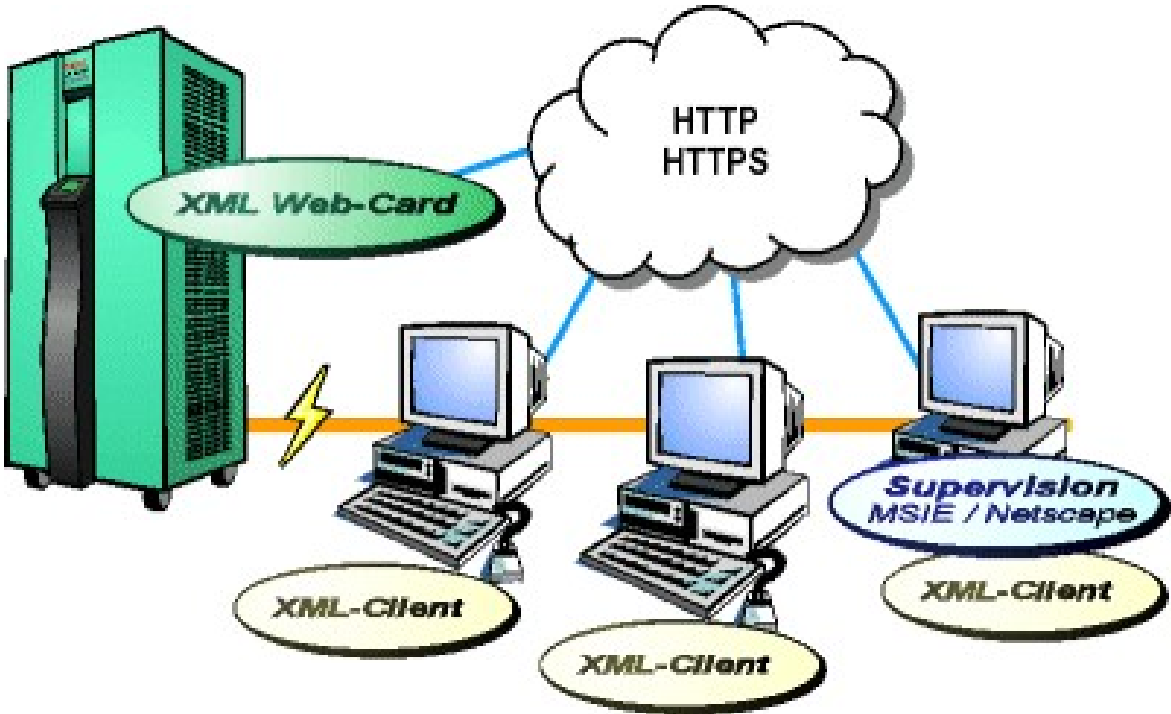**system shutdown**
with XML-Client

XML-Web card & UPS Web-Pac
A fully integrated architecture

SNMP/Web cards

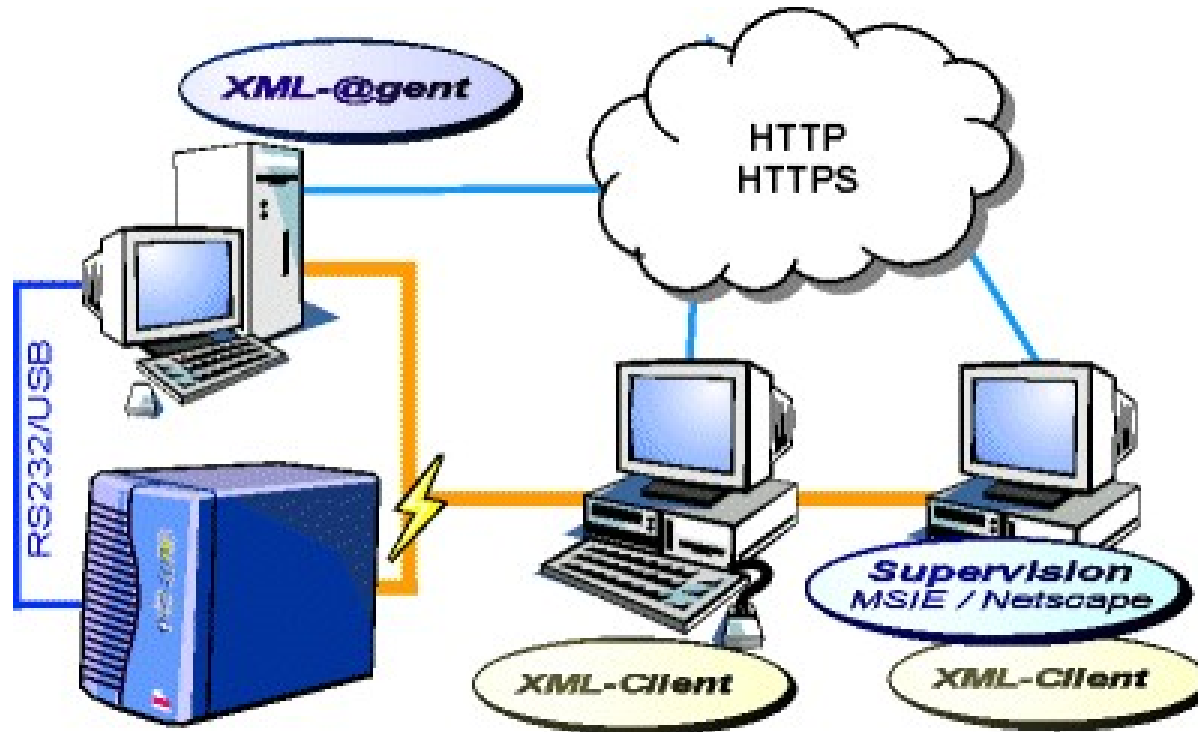▶ **MGE Web-based solution includes shutdown solutions through a new specific piece of software : XML-Client**

XML-Client can be used with XML Web-card

XML-Web card & UPS Web-Pac
A fully integrated architecture

SNMP/Web cards

▸ **XML-Client can be used as well with XML-@gent**

What is XML-Client ?

▶ **A software for user notifications, emergency actions and shutdown**

▶ **running on any server/station on which actions and shutdown are required**

▶ **it is a JAVA-based piece of software using a JVM (Java Virtual Machine) to run on the system**
Consequence : the software is almost fully independant of the OS

▶ **XML-Client is notified of UPS events by the XML Web-card or the XML-@gent**

XML-Client Compatibility list

SNMP/Web cards

Now

> Windows NT/2000/XP

> Linux Red Hat

> SUN Solaris 8

> HP UX

Next steps

> Linux Suse, Mandrake and Caldera

> IBM AIX

> Apple Mac OS X

> Novell Netware

XML-Client portability

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- **MGE will develop ready-to-use packages for the listed OS**

- **But,**

  as XML-Client is a Java-based software,
  it is possible to have it run on any platform

- **It requires :**
  - that the targeted platform is able to use a JVM (Java Virtual Machine)
  - a specialist of the targeted OS

- **It means that for advanced users/partners, the compatibility list is from the beginning very wide :**
  - minor Unix / Linux versions
  - Apple Mac OS X
  - recent versions of OS/2 supporting JVM

- **A detailed procedure is supplied ON-LINE**
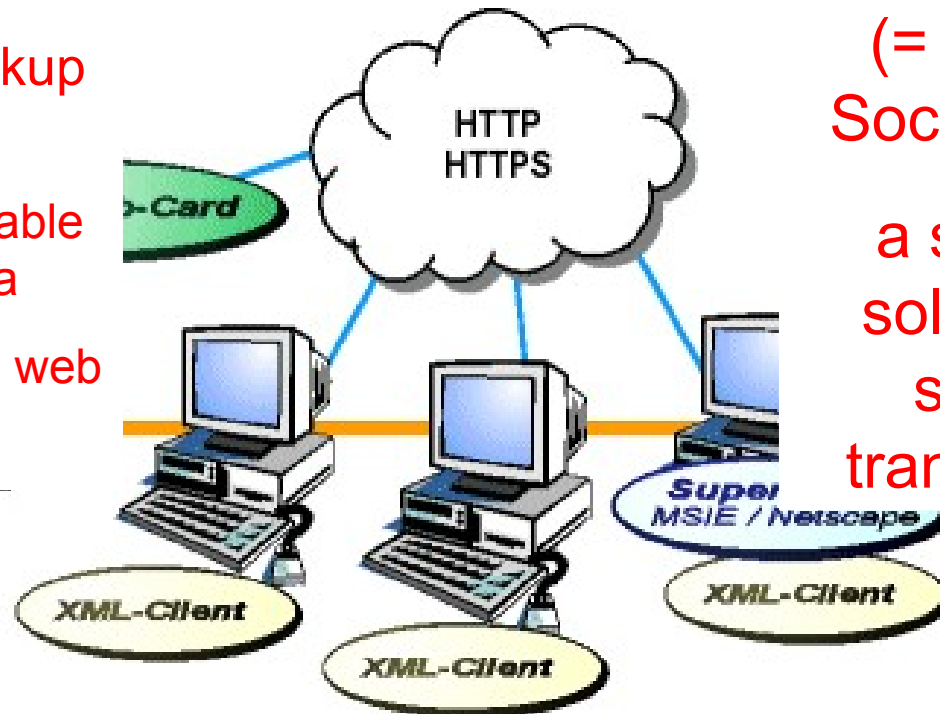
The key words

XML
(= eXtended Markup Language)

an easily customizable format for the data

transferred over the web

HTTP
HTTPS

-Card

XML-Client

XML-Client

Super
MSIE / Netscape

XML-Client

SSL
(= Secured Socket Layer)

a standard solution for secured transactions

JVM (=Java Virtual Machine) : An interpreter of Java code (the Java code remains the same from one system to another)

MGE differentiation on the market

SNMP/Web cards

▶ **The new SNMP/Web Cards are positionned as equivalent to the competitors ones**

▶ **XML-Web card and UPS Web-Pac are the MGE differentiating points**

   - integrated architecture : Web monitoring + shutdown
   - support a large number of clients :
   up to **50** for XML Web-card
   up to **250** for XML-@gent
   - High Security level thanks to the use of **SSL**
   - alarm **notification** to the browser **(also available on SNMP/web cards)**
   - portability of XML-Client, the **Java-based** shutdown software
   - XML-Client is a much « lighter » software than UM-Client and can easily be
deployed on a large number of systems (using   « silent » installation and centralized
configuration)
   - potential customization by partners is made easy thanks to **XML**
   - XML-Web card will soon offer **3-phase UPS monitoring**