





Eaton's software applications that effectively manage complex IT asset ecosystems for maximum uptime

Software

Electrical Power Monitoring System (EPMS) Data Centre Infrastructure Management (DCIM)

Distributed Infrastructure

Disaster Avoidance Remote Monitoring Cloud-based

Eaton's solution











IT Channel-dedicated SW products



Evolving to meet customer's needs



Monitoring, managing & protecting all power devices in data centers and distributed environments.

Its comprehensive reporting, integration with other systems, advanced notifications creates all-in-one management environment.



Our disaster avoidance software streamlines power management and monitoring, through advanced alerts and automated actions (shutdowns / boot-ups). It also helps saving electricity.

Mini-DCIM, for shutdown

Convergent, but Customizable

Scalable

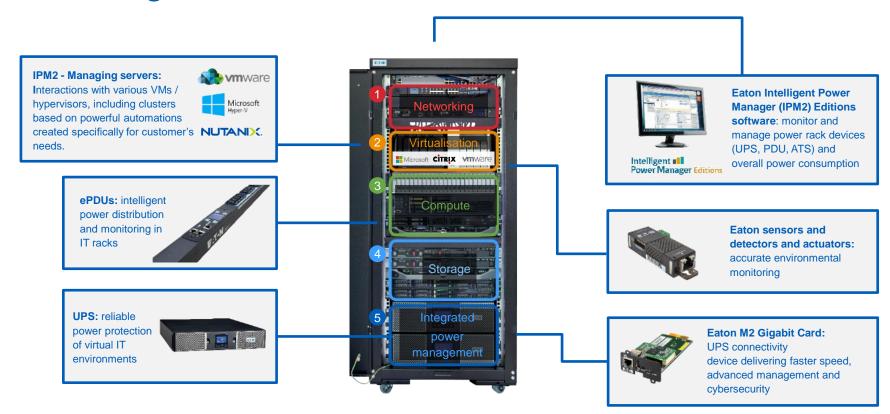




See all details on webpage: Intelligent Power Manager Software | Remote Monitor | Eaton



Avoiding disasters of what matters...

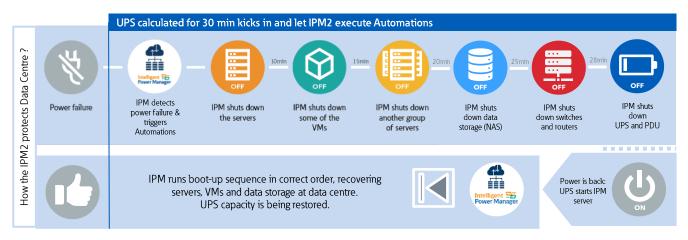




Crucial question: What happens when UPS runs out of battery..?

Answer: You'll be still affected by data loss, network failure, in need of on-site visit and manual recovery — only **later** than without UPS. Unless...

... you let UPS & IPM2 work together to ensure full protection!



IPM2 uses UPS to performs *intelligent* actions to protect data centers against data corruption, network failures and other costly results of **uncontrolled power loss**.



Of course, IPM2 does more...

- When power failure happens:
 Automatically & Gracefully shutting down ALL devices in the rack
- Works together with UPS & PDUs to ensure that ALL protective actions are executed on time
- Saves electricity by triggering *scheduled* shutdowns of servers when idle
- Allows to manage power supply of Racks remotely, with no on-site interventions
- IPM2 can fade or migrate VMs across data centers and apply power caps

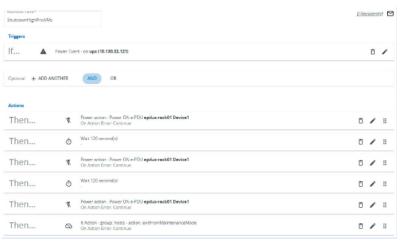


IPM show Statistics on Dashboard and sends Notifications



Management & Monitoring for Power side:

- Monitors power supply & environment of data center (reacts to Sensors readings like temp, humidity)
- Shows each rack's organization (positions, outlets used)
- Mass Configuration
- Mass Upgrade (UPS FW only 5PX Gen2 and 9PXL)
- Notifications by email & SMS



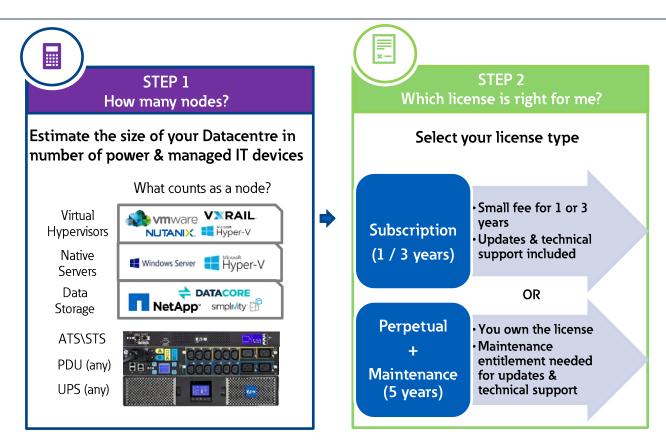
Automations are intelligent, logical and easy to build – everyone can prepare them using Wizard



See all details on webpage: Intelligent Power Manager Software | Remote Monitor | Eaton



IPM2: Make the right choice for your business!







Node counts

What counts as a node?















+ Netapp

+ Datacore





























Node counts - example



1 Hypervisor

10 Microsoft Windows Server 2019





1 PDU



 $(2 \times UPS) + (1 \times PDU) + (1 \times Hypervisor VMware) + (10 \times Physical Servers MS WINSRV 2016) = 14 licenses IPM Optimize$



2 UPS's





Node counts - example







vmware

Microsoft

1 PDU

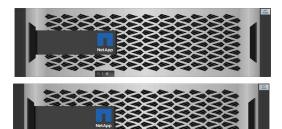


1 UPS



10 Microsoft Windows Server 2019





2 NetApp storage's

 $(1 \times UPS) + (1 \times PDU) + (2 \times Hypervisor VMware) + (10 \times IV)$ Physical Servers MS WINSRV 2016) + (2 NetApp) = 16 licenses IPM Optimize © 2023 Eaton. All rights reserved.



Node counts - example

10 Servers with Linux







2 UPS's

1 Storage third party





1 PDU

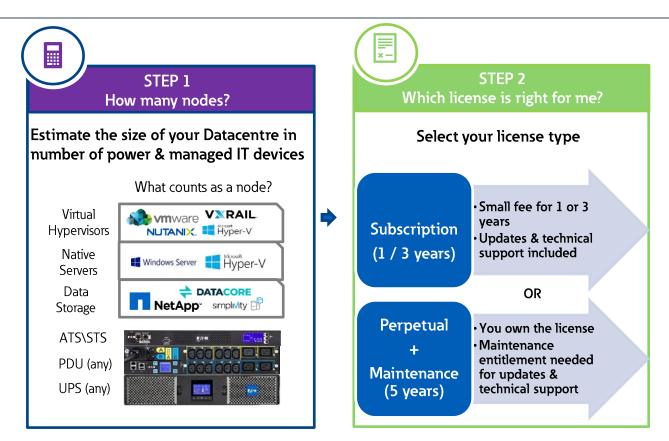


1 UPS

 $(3 \times UPS) + (1 \times PDU) = 4 \text{ licenses IPM Optimize}$



IPM2: Make the right choice for your business!





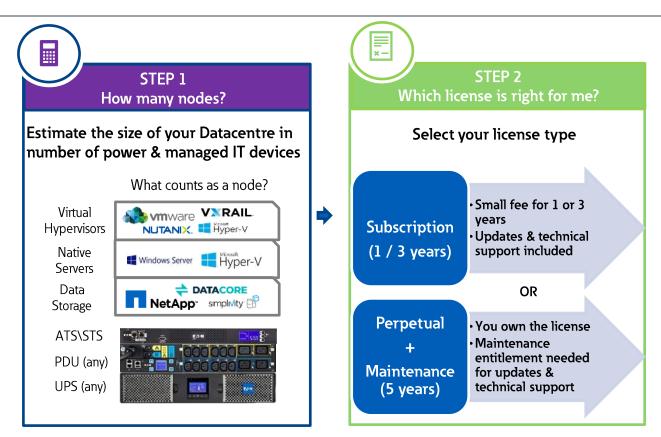


One platform, multiple solutions

	IPM2 OPTIMIZE
Devices supervision	*
Mass Config/Upgrade	~
Shutdown servers	~
Host <u>level</u> actions	~
SSH command	*
Script	✓
NetApp connector	✓
Stop/Start VMs	*
VMs migration	~
Cluster shutdown	~
Fault Domain shutdown	~
<u>VxRail</u> connector	~
Nutanix connector	~
HPE OneView connector	~
VMware SRM	~



IPM2: Make the right choice for your business!





The Licence structure 2024 in detail

For **initial** sales

Number of nodes	New SKU SUB 1Y	New SKU SUB 3Y	New SKU Perpetual 5Y	
3	IPM-3N-SUB1	IPM-3N-SUB3	IPM-3N-P5	
5	IPM-5N-SUB1	IPM-5N-SUB3	IPM-5N-P5	
10	IPM-10N-SUB1	IPM-10N-SUB3	IPM-10N-P5	
20	IPM-20N-SUB1	IPM-20N-SUB3	IPM-20N-P5	
50	IPM-50N-SUB1	IPM-50N-SUB3	IPM-50N-P5	

For **upgrade** sales

Number of nodes	New SKU SUB 1Y	New SKU SUB 3Y	New SKU Perpetual 5Y	
5	IPM-UP3TO5N-SUB1	IPM-UP3TO5N-SUB3	IPM-UP3TO5N-P5	
10	IPM-UP5TO10N-SUB1	IPM-UP5TO10N-SUB3	IPM-UP5TO10N-P5	
20	IPM-UP10TO20N-SUB1	IPM-UP10TO20N-SUB3	IPM-UP10TO20N-P5	
50	IPM-UP20TO50N-SUB1	IPM-UP20TO50N-SUB3	IPM-UP20TO50N-P5	

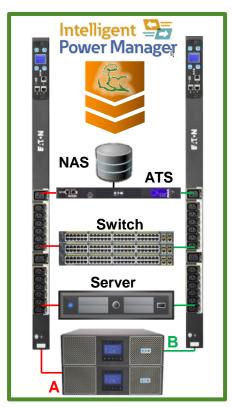




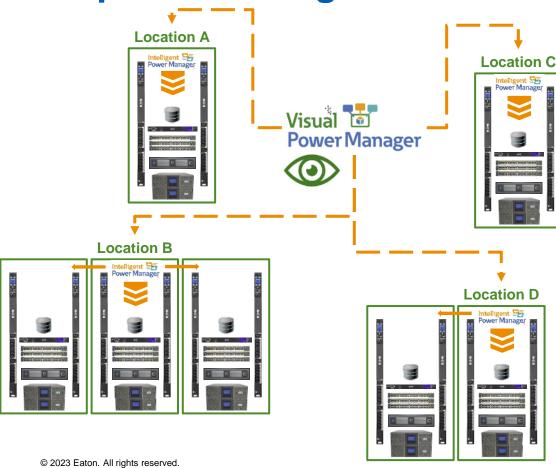
See all details on webpage: Intelligent Power Manager Software | Remote Monitor | Eaton



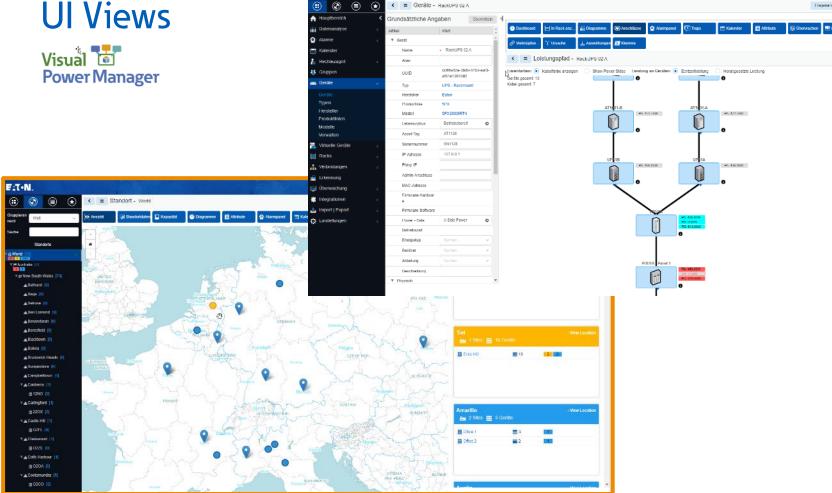
Combined approach to power management











A Side

B Side

C Side

■ D Side

FAT-N.

Asset Management

Auto Discovery

30K Models library – complete device details

Rack elevation builder with 3D View

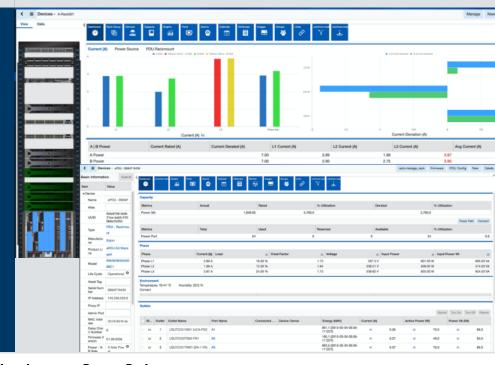
Power ports mapping with Cable's identification

Extensible Attribute Management

Monitoring VMWare Virtual Assets

Eaton/TrippLite Rack PDU, UPS & ATS

Firmware Upgrades and Configuration





(*) Not visual on Rack view, only logical to be shown as Power Paths

Monitoring & Alarming

Monitoring based on Reusable templates

Generic protocol support

SNMP OPC API

Modbus TCPIPMI WMI HTML CSV

BACnet IP RedFish MOTT

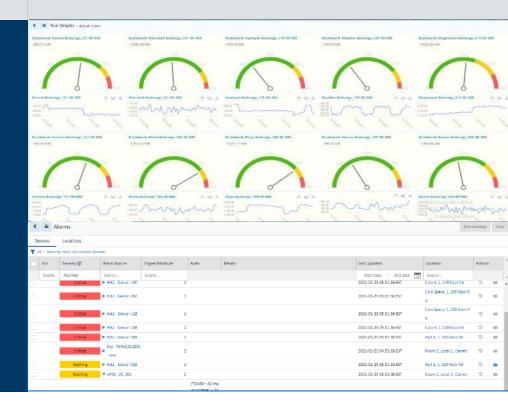
Threshold Definitions

Alarm Triggers & Actions

Notifications (Traps, SMTP, SMS, Scripts)

Local monitoring via RDG / Probe

Visual, map based alarm status





Capacity Planning & Dependencies

Thermal Images

Impact Analysis

Power Load Failover

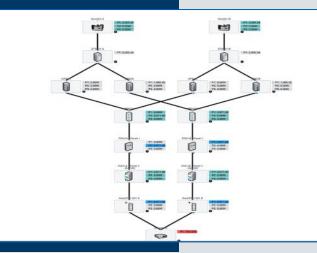
Compound Filters

Calculated Data & Metrics

PUE calculation

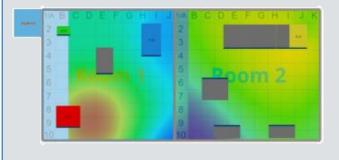
Power Rollup

Power path tracing





Insert image here





Security & Rights Access

Multi-Tenant Management

LDAP/Active Directory Integration

HTTPS Access

Encrypted SSL Database Access

Multi language Support

English

Italiano

Francais

Русский

Deutsch

繁体中文

Español

大和

Português





Integrations

Service Now out-of-the-box

Bi-Direction

VDC to ITSM & ITSM to VDC

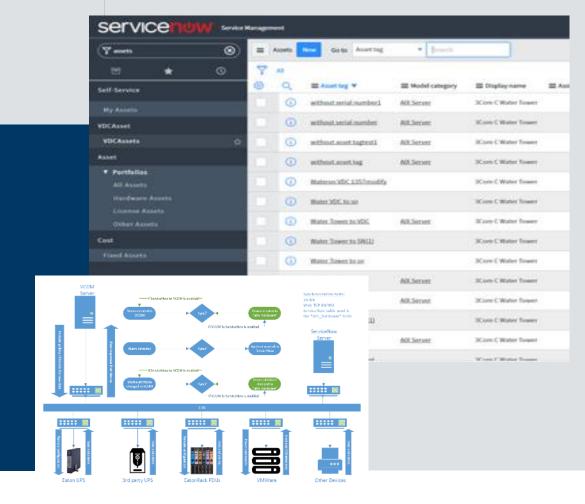
Device Creations

Device Edits

Incident Based on Alarm

Excel integration

Monitoring & Controls for TanLock





Reporting

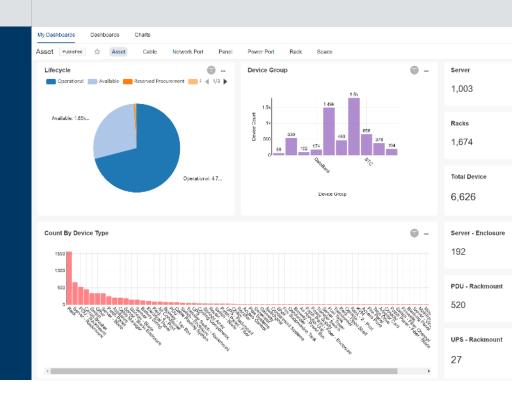
Built in & Custom reports

Distribution reports

Client / Billing reports

Data visualization for Power BI

Data extraction via API







See all details on webpage: Intelligent Power Manager Software | Remote Monitor | Eaton



Part number philosophy: Brightlayer Data Centers suite

- Sales model options:
 - Perpetual with required annual technical support fee
 - Subscription options with technical support included:
 - 1 year, 3 years and 5 years
- Professional services part numbers that are simpler and more clear



Brightlayer DataCenter Suite - variants

Feature Mapping

Feature	DITPM Ess	DITPM Adv	DCPM Ess	DCPM Adv	EPMS Ess
Installation & Architecture		45			
Full Installer and OVF Formats	X	X	X	X	X
Multi server Architecture to Accommodate Scale	X	X	X	×	X
Asset Management					
30,000+ Model Definitions		X	X	×	X
Bulk Device Management	X	X	X	X	X
Auto Discovery Engine for Asset Creation	X	X	X	×	X
Visual Rack Building		X	X	X	
Rack Audit Tools				X	
Service & Warranty Event Calendars			X	X	
Location & Floorplan Studio		X	X	X	X
Extensible Attribute Manager for User Defined Attributes	X	X	X	X	X
Calculated or Derived Attribute Functions	X	X	X	X	X
Device Firmware & Configuration Jobs (Eaton & Tripp Lite devices only)	X	X	X	×	X
Monitoring					
SNMP (v1, v2c, v3), Modbus TCP, Bacnet IP, OPC UA/DA, IPMI, MQTT Data Collection	X	X	X	X	X
Support Any Device Manufacturer and Device Type	X	X	X	X	X
Up to 5 Minute Data Collection	X	X	X	X	X
Up to 1 Minute Data Collection		X	X	×	X
Up to 30 Second Data Collection			X	X	X
Up to 1 Second Data Collection					X
Alarms & Notifications					
Centralized Alarm Panel with Status Change History	X	X	Х	X	X
Smart Alarm Configurations to Manage Connected Device Alarm Storms		X		X	
User Defined Alarms for 5 Alarm Levels	X	X	X	x	X
Simple & Compound Alarm Trigger Rules	×	×	X	×	X
SMTP & SMS Notification Delivery Formats	×	X	X	X	X
Unlimited Escalation Rules	X	X	X	X	X
User & Group Notification Recipients	X	X	X	X	X
SNMP Trap Forward & SNMP Trap Delivery	X	X	X	X	X
Justom Script Execution on Alarm Events	X	X	X	X	X

Brightlayer DataCenter Suite - variants

Feature Mapping

Feature	DITPM Ess	DITPM Adv	DCPM Ess	DCPM Adv	EPMS Ess
IT Automations					
VMWare Cluster, Host, Guest Integration**	X	X	X	X	
Hyper-V Cluster, Host, Guest Integration**	X	X	X	X	
Windows Linux Server Shutdowns**	X	X	X	X	
IT Device Console Access with Embedded SSH Client		X	X	X	
Advanced Electrical					
Dynamic One Line Diagrams					X
Power Meter Waveform Captures					X
Industry Standard Electrical Reports					X



Extensions add capabilities and provide flexibility to support your digital transformation journey





with the logo of your choice.

exports.

IPM or VPM...or a mix?



- Small Medium Infra
 - <10 racks</p>
 - or <2/3 sites
- Adnavced control of "Converged" or "Hyperconverged" infrastructure

Visual Power Manager

- Monitoring of distributed infrastructures of any size
- Monitoring of any devices with any protocol
- Integration with 3rd party ITSM solutions (ServiceNow)
- Alarming and reporting created on any metric and with any logic







- Local "disaster avoidance" with IPM
 - Protect your Infra in case of energy & connectivity issue at the same moment
- Advanced central monitoring with VPM
 - Get a clear view and complex analysis on the distributed enviroment



IPM2 Pre- and Post-sales tech support for software:

Level 1: Competence Centre Budapest: swconnect@eaton.com

Level 2: Local technical presales

Level 3: Engineering team in France

VPM Pre- and Post-sales tech support is provided "project based" by dedicated EMEA Professional Services teams.

Eaton supports you



How Eaton enables Channel to Digital?

A **certification program (IPC)** to make partners competent at selling and delivering services on Brightlayer platform.



All this with **no upfront financial investment on partner side!**



Software Channel operations for distribution and resellers

Contact for software presales / sales support at Eaton:

Damian Przygodzki

Software Channel Presales Manager

+48 695 430 018, DamianPrzygodzki@eaton.com

Or ask for help / consultation via your local Eaton Sales Representative / Presales.









1 platform, multiple solutions

Intelli	ger	nt	•11	
Powe	r M	ar	nag	er

 Intelligent Power Manager

Monitor Edition

Manage Edition

Optimize Edition

	Contextual visibility of metrics & capacity	Monitoring plus Eaton device management	Advanced virtualization capabilities
Contextual visibility of power metrics & constraints	✓	✓	✓
Monitoring of Eaton & many 3rd party power devices	✓	✓	✓
Manage & update Eaton power devices		✓	✓
Define basic business continuity automations with host level actions		✓	✓
Simple Wizard based automation configuration		✓	✓
Define advanced business continuity automations with VM & cluster level actions			✓

























	IPM2 MANAGE	IPM2 OPTIMIZE
Devices supervision	~	~
Mass Config/Upgrade	~	~
Shutdown servers		~
Host level actions	~	~
SSH command	~	
Script	~	~
NetApp connector		~
Stop/Start VMs	×	~
VMs migration	×	~
Cluster shutdown	×	~
Fault Domain shutdown	×	~
VxRail connector	×	~
Nutanix connector	×	
HPE OneView connector	×	~
VMware SRM	×	~



Capex or Opex purchase options



Optimize Edition

Manage Edition

Intelligent
Power Manager

Monitor Edition

License type / node

Subscription 1 year

Or

Perpetual licence & maintenance entitlement

1 or 5 years

