

IM7200 Infrastructure Manager



The Opengear IM7200 is a state of the art infrastructure management solution which streamlines remote management of network, server and power infrastructure in data center and remote environments, ensuring efficient and secure access, monitoring and control for local and remote operations teams.

Problem: Data centers, colocation facilities and network exchange points host a wide array of critical network, power and server infrastructure from a variety of vendors. The scope and complexity of managing these environments securely and efficiently continues to grow with faster physical media and more rigorous security protocols.

Solution: Opengear IM7200 is a single appliance to manage all of your rack infrastructure, even during network downtime. Built for high performance remote management, Opengear offers true out-of-band infrastructure management and proactive monitoring while integrating with your existing tools and workflow, to improve fault detection and reduce mean-time-to-repair.

Advanced console management

Bullet proof infrastructure management with integrated 16 – 48 port console server, with software selectable pinouts including Cisco®-straight for Cat 5 patch cabling to Cisco-style RJ45 consoles, no adapters. Immediately access to consoles via your preferred SSH client or integrated HTTPS AJAX web terminal. Detect server kernel panics and console warnings with configurable pattern match alerting, log serial management traffic for audit trail and forensics.

Future proof infrastructure

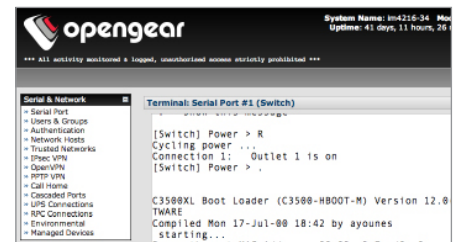
Purpose built solution with integrated technologies provides the fastest connection speeds with the lowest latency available in order to optimize next generation data centers. Embedded fiber ports allow for easy integration into environments without copper availability between rooms and rows. 4G LTE connections are integrated to improve time to resolution, while allowing a seamless fallback to legacy infrastructure connections. Leverage the fastest OOB connection methods available for network infrastructure problem detection and resolution.

End to end wireless connectivity

Out-of-band 4G LTE connections to remote infrastructure enable wireless visibility to critical infrastructure. Wireless local management (WiFi) provides connectivity to environmental and power elements around the data center. Wireless technician access can be provided through local WiFi network or remote 4G LTE connection. Embedded WiFi and 4G LTE connections provide complete independence from infrastructure faults.

State of the art platform with the most connections on the market

- 16 – 48 port serial console server, manage network and server consoles
- Dual network connections with built-in Fiber SFPs ports and GbE copper
- Embedded 802.11a/b/g/n WiFi
- PSTN, and optional 4G LTE cellular module for remote access during primary outage
- Software selectable serial pinouts
- Enterprise-grade security, FIPS 140-2 certified SSL, SSH and VPN
- AAA including LDAPS & TACACS+, lock down ports per-user & group
- Audit trail logging to 16GB local storage or remote log server, expandable with SD card
- 1Ghz processor - more than twice as powerful as any competitor



Integrated Management Console
 Efficient remote management of all rack infrastructure from UI or CLI

Infrastructure Management Benefits

- **Minimize MTTR and increase efficiency**, always-available infrastructure provisioning, maintenance and repair, local or remote
- **Increase MTBF** with proactive detection & notification of infrastructure fault conditions, via email, SNMP, SMS or Nagios
- **Reduce complexity**, bolster security with single point of authentication and policy enforcement, monitor and log each management keystroke
- **Increase efficiency and reduce human error**, equip every rack with virtual remote hands in lights-out data centers and colocation cages
- **Leverage existing tools and workflow**, integrates with standard management tools – flexible, open management solution



Technical Specifications

Power

Less than 30W consumption

Dimensions

17 x 10 x 1.75 in - 10 lbs
44 x 25.4 x 4.5 cm - 4.5 kg

CPU & Storage

1GHz ARM SoC, 16GB internal flash
expandable with SD card

Temperature

Operating: 5°C to 50°C / 41°F to 122°F
Storage: -30°C to +60°C / -20°F to 140°F

Software Features

Remote Management:
HTTPS & SSH console, Nagios NSCA & NRPE, SNMP, TFTP, FTP server

Gateway Router:
Stateful firewall, IPsec, OpenVPN, DHCP server, DDNS, Failover

Wireless Certification

PTCRB, NAPRD, GCF-CC, R&TTE, EN 301, A-Tick, CDG TIA/EIA-690, CDG TIA/EIA-98-E

Latest Specifications

opengear.org.uk/product-im7200-spec.html

Ordering information:

<http://opengear.org.uk/product-im7200-ordering.html>



Your Contact

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Who can most benefit from IM7200 infrastructure management?

- **Hosting and Cloud Providers**
- **Internet Service Providers**
- **Telco and Cellco**
- **Colocation Tenants**
- **Education, Research and HPC**
- **Finance and Insurance**
- **Broadcast and Media**
- **Government and Military**

Key Management Features

Comprehensive out-of-band

Maintain complete control during infrastructure fault conditions and network outages with serial, Ethernet and USB connectivity to critical infrastructure management consoles. Built-in dial-in and 4G LTE cellular modem provides secure alternate path for troubleshooting and repair.

Strong security and authentication

Lock down management interfaces with local and remote AAA including Active Directory, Kerberos, TACACS+ and RADIUS with RSA SecurID. Encrypt sensitive management traffic with IPsec and OpenVPN. Comprehensive logging features for compliance and audit trail. FIPS 140-2 certified for government and military applications.

Vendor-neutral power management

Monitor UPS battery status, automate routine maintenance and load testing. Control PDU outlets via serial, USB and Ethernet. Enforce remote power permissions and map managed consoles to outlets, minimize MTTR with out-of-band power control. Uniquely supports over 100 power vendors' equipment.

Integrates into any environment

Seamlessly fits into top-of-rack & end-of-row fiber configurations, or all copper environments. Integration of connection methods provides a total solution which extends your serial devices over a fiber network including long distances in metro area networks and campus environments. All in one solution eliminates the need for installation and management of other devices such as media converters.

Infrastructure management that scales

Extend IM7200 with Opengear Lighthouse central management to manage up to 5,000 Opengear appliances from a single pane of glass.

Ordering Information

Model	Ports	Modem	OS	Power
IM7216-2-DAC	16	Selectable	V.92	Dual AC
IM7216-2-DAC-L	16	Selectable	V.92 & 4G LTE	Dual AC
IM7232-2-DAC	32	Selectable	V.92	Dual AC
IM4232-2-DAC-L	32	Selectable	V.92 & 4G LTE	Dual AC
IM7248-2-DAC	48	Selectable	V.92	Dual AC
IM7248-2-DAC-L	48	Selectable	V.92 & 4G LTE	Dual AC

For regional shipping codes please append model number with destination country, e.g. "IM7216-2-DAC-UK" for UK. Available country codes, -US, -AU, -UK, -EU, -JP
4G LTE models available -LR (ROW), -LA (AT&T USA) and -LV (Verizon USA). Please append the model number with the carrier e.g "IM7248-2-DAC-LR" for UK, Europe, & India