

OM1200 Operations Manager

NetOps Console Server with *Smart Out-of-Band*

Opengear OM appliances are NetOps Console Servers - Network Management appliances that combine the capabilities of a *SmartOOB™* Console Server with the flexibility of NetOps Automation.

The compact OM1200 appliance is designed specifically for secure edge deployments, used in combination with Lighthouse Management Software. As a key component of Opengear's Network Resilience Platform, it provides the Presence & Proximity at every location that supports emerging requirements in Network Management and Automation.

Features

- **Half-width, shallow depth, 1RU form factor**
- **Cost-effective 4 or 8 Serial port-only models**
- **Mixed-port models: 4 or 8 Serial, 4 or 8 Ethernet**
- **Global LTE interface (non-cellular optional)**
- **x86 platform; embedded physical security**
- **Python runtime, Docker container support**



| Console Specifications | | |
|---------------------------------------|--|--|
| Console Ports | OM1208-8E – 8 x RJ45 RS232 Cisco straight X2 pinout serial ports and 8 port embedded GbE switch OM1204 – 4 x RJ45 RS232 Cisco straight X2 pinout serial ports OM1208 – 8 x RJ45 RS232 Cisco straight X2 pinout serial ports OM1204-4E - 4 x RJ45 RS232 Cisco straight X2 pinout serial ports and 4 port embedded GbE switch | |
| Interface | | |
| Primary/Secondary Network Ports | 2 x 10/100/1000 Base-T Ethernet (OM120X), 2 x 10/100/1000 Base-T Ethernet/SFP Fiber auto-media ports (OM120X-XE) | |
| Serial Ports | Cisco straight X2 50 to 230,400 bps Console Ports | |
| USB | 2 x USB 3.0 Host Ports for storage and 2 x USB 2.0 ports for device console management | |
| Remote Access | Integrated 4G LTE Cellular Card, Dual Ethernet, aggregation & redundancy, Automatic Network Failover, Easy browser UI, IPv6 | |
| Power Requirements | | |
| Power Adapter | 1x Universal 110-240V AC to 12V DC external power adapter IEC 62368, UL, CB, DoE, VI, PSE, LPS certified | |
| Power Consumption | 25 W Maximum | |
| Physical Dimensions | | |
| Dimensions and Weight | 8 5/8 x 6 5/8 x 1 5/8 in - 2.2 lbs, 22 x 17 x 4.2 cm - 1 kg | |
| Form Factor | Compact - SFF 1U half-rack width | |
| Memory & CPU | | |
| CPU | AMD GX-412TC (1.0/1.4GHz 64-bit x86 SoC) | |
| Memory | OM120x - 2GB DRAM (SO-DIMM) OM120x-xE - 4GB DRAM (SO-DIMM) | |
| Boot ROM | 16 MB SPI with password protection | |
| Internal Storage | 16 GB m.SATA III SSD | |
| Environmental | | |
| Operating Temperature | 5°C to 50°C, 41°F to 122°F | |
| Storage Temperature | -40°C to +75°C, -40°F to +167°F | |
| Humidity | 5% to 90% | |
| MTBF | 100,000 Hours (Power Supply) | |
| Features | | |
| | Smart Out-of-Band, Modern CLI/GUI/REST API, IPv4/IPv6 Networking, Serial Port Logging | |
| Security, Encryption & Authentication | | |
| | Trusted Platform Module 2.0 AAA – TACACS+, RADIUS, Active Directory/OpenLDAP, Kerberos, with local fallback Embedded Firewall IPSec and OpenVPN | |
| Automation & Scalability | | |
| | Opengear NetOps Modules Docker support Python and Ruby | Perl and bash support ZTP SNMP-Standard MIBs |
| Global LTE Cellular Interface | | |
| Modules | OM12xx-L - Sierra Wireless EM7565 | |
| Speed | CAT12 | |
| Coverage | Global LTE-A Support | |
| Certifications | | |
| Cellular | PTCRB, GCF, Verizon and AT&T | |
| Emissions | EN 62311:2008, EN 62133 :2013, EN 301 489-1 V2.1.1(2017-02), EN 301 489-19 V2.1.1 (2019-04) , EN 301 489-52 V1.1.0 (2016-11), FCC Part 15 Subpart B:2015, ICES-003 Issue 6 | |
| Immunity | EN 55032:2012, EN 55035:2017, EN 61000-3-2:2014, EN 6100-3-3:2013, EN 301 908-1, 2, 13 V13.1.1, EN 303 413 V1.1.1 NAPRD03 V5.37 | |
| Other Agency Approvals | CE, IEC 6950-1, IEC 62368-1, CAN/CSA-C22.2, RoHS compliant, Security features to support NERC CIP standards | |
| Warranty | 4 Years hardware and support | |

Available Models

Every OM1200 model shares the following features:

- Compact form factor (1RU half width)
- CPU: 1.4 GHz 4-Core x86
- 16GB Internal Storage
- 2 USB 3.0 and 2 USB 2.0 ports
- Cisco X2 straight serial pinout

| MODEL | SERIAL PORTS | ETHERNET SWITCH PORTS | SFP PORTS | MEMORY | CELLULAR |
|-------------|--------------|-----------------------|-----------|--------|---------------|
| OM1204 | 4 | No | No | 2GB | None |
| OM1204-L | 4 | No | No | 2GB | Global 4G LTE |
| OM1204-4E | 4 | 4 | 2 | 4GB | None |
| OM1204-4E-L | 4 | 4 | 2 | 4GB | Global 4G LTE |
| OM1208 | 8 | No | No | 2GB | None |
| OM1208-L | 8 | No | No | 2GB | Global 4G LTE |
| OM1208-8E | 8 | 8 | 2 | 4GB | None |
| OM1208-8E-L | 8 | 8 | 2 | 4GB | Global 4G LTE |

Note: All units ship with an external global AC power adapter. Part # 450038

The following power supply is available to order:

Part # 450036 - External Power Supply - 25W IEC-C14 inlet, 12V DC output barrel connector - IEC 62368

Package Checklist

- Operations Manager OM1200
- 1 x Rack Mount Kit (590054)
- 1 x DB9F-RJ45 Crossover (319015)
- 4 x Rubber feet (370003)
- 1 x 12V Global Power Supply (450038)
- Start-Up / Safety Instructions Card

Cellular Enabled Models Also Include:

- 2 x Cellular Antennas (569041)
- 1 x Cellular Antenna Extender with magnetic base (449041)

Optional Accessories

| | Part Number | Description |
|------------------------|-------------|---|
| Adapters | 319014 | Adapter - DB9F to RJ45 straight serial - DCE -For X2 Pinout |
| | 319015 | Adapter - DB9F to RJ45 crossover serial - DTE -For X2 Pinout |
| | 319016 | Adapter - DB9M to RJ45 straight serial - DCE - For X2 Pinout |
| Mounting | 590054 | Rack Mount Kit |
| Power Supply | 450036 | External Power Supply - 25W IEC-C14 inlet, 12V DC output barrel connector - IEC 62368 |
| | 450038 | External AC Power Adapter, universal input, output barrel connector - IEC 62368 |
| Cellular / GPS Antenna | 569018 | Antenna - GPS Active - 6' Cable length |
| | 449041 | Antenna Extender - Magnetic Base with 10' Cable |
| | 569041 | Antenna - Blade LTE-A with swivel base |

Warranty

| Part Number | Description |
|------------------|--|
| Included | 4-year standard warranty |
| OGEXTWAR5-OM1200 | Warranty OM1200 (Extends to 5th year warranty) |
| OGEXTWAR6-OM1200 | Warranty OM1200 (Extends to 6th year warranty) |