

OM1200 Operations Manager

with Smart Out-of-Band Management



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.

- 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

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

Interfaces

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	1 x RJ45 RS-232 Console Port - Cisco rolled X2 (No pinout), baud rate 115200
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, Intuitive 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	85/8x65/8x15/8in-2.2lbs,22x17x4.2cm-1kg
Form Factor	Compact - SFF 1U half-rack width

Memory and 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)

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
- 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

Model	Serial Ports	Ethernet Switch Ports	SFP	Memory	Cellular
OM1204	4	No	No	2GB	None
OM1204-L	4	No	No	2GB	Global 4G LTE
OM1204-4E	4	4	1	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

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
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
590054	Rack Mount Kit
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
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)