

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%	
Environmental Monitoring	Internal temperature sensor and external serial EMD5000 device supports physical, smoke, water leak, vibration sensors	
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)