



opengear OM1200 Operations Manager NetOps Console Server with Smart Out of Band User Guide

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**OM1200 Operations Manager NetOps Console
Server with Smart Out of Band
User Guide**



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

Presence & Proximity at every location that supports emerging requirements in Network Management and Automation.

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Features

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

Console Specifications	
C o n s o l e p o r t s	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	

P r i m a r y/ S e c o n d a r y N e t w o r k P o r t s	2 x 10/100/1000 Base-T Ethernet (OM120X), 2 x 10/100/1000 Base-T Ethernet/SFP Fiber auto-media ports (OM120X-XE)
S e r i a l P o r t s	Cisco straight X2 50 to 230,400 bps Console Ports
U S B	2 x USB 3.0 Host Ports for storage and 2 x USB 2.0 ports for device console management
R e m o t e A c c e s s	Integrated 4G LTE Cellular Card, Dual Ethernet, aggregation & redundancy, Automatic Network Failover, Easy browser UI, IPv6
Power Requirements	
P o w e r A d a p t e r	1x Universal 110-240V AC to 12V DC external power adapter IEC 62368, UL, CB, DoE, VI, PSE, LPS certified

P o w e r C o n s u m p t i o n	25 W Maximum
Physical Dimensions	
Di m e n s i o n s a n d W e i g h t	8 5/8 x 6 5/8 x 1 5/8 in – 2.2 lbs, 22 x 17 x 4.2 cm – 1 kg
F o r m F a c t o r	Compact – SFF 1U half-rack width
Memory & CPU	
C P U	AMD GX-412TC (1.0/1.4GHz 64-bit x86 SoC)
M e m o r y	OM120x – 2GB DRAM (SO-DIMM) OM120x-xE – 4GB DRAM (SO-DIMM)
B o o t R O M	16 MB SPI with password protection

In te rn al St or a g e	16 GB m.SATA III SSD
Environmental	
O p er at in g T e m p er at ur e	5°C to 50°C, 41°F to 122°F
St or a g e T e m p er at ur e	-40°C to +75°C, -40°F to +167°F
H u m id it y	5% to 90%
M T B F	100,000 Hours (Power Supply)
F e at ur e s	Smart Out-of-Band, Modern CLI/GUI/REST API, IPv4/IPv6 Networking, Serial Port Logging

S e c u r i t y, E n c r y p t i o n & A u t h e n t i c a t i o n	Trusted Platform Module 2.0 AAA – TACACS+, RADIUS, Active Directory/OpenLDAP, Kerberos, with local fallback Embedded Firewall IPSec and OpenVPN
A u t o m a t i o n & S c a l a b i l i t y	Opengear NetOps Modules Docker support Python and Ruby
Global LTE Cellular Interface	
M o d u l e s	OM12xx-L – Sierra Wireless EM7565
S p e e d	CAT12

C o v e r a g e	Global LTE-A Support
Certifications	
C e l l u l a r	PTCRB, GCF, Verizon, and AT&T
E m i s s i o n s	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
I m m u n i t y	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
O t h e r A g e n c y A p p r o v a l s	CE, IEC 6950-1, IEC 62368-1, CAN/CSA-C22.2, RoHS compliant, Security features to support NERC CIP standards
W a r r a n t y	4 Years of 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
OM1204	4	No	No	2GB
OM1204-L	4	No	No	2GB
OM1204-4E	4	4	2	4GB
OM1204-4E-L	4	4	2	4GB
OM1208	8	No	No	2GB
OM1208-L	8	No	No	2GB
OM1208-8E	8	8	2	4GB
OM1208-8E-L	8	8	2	4GB

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	• 4 x Rubber feet (370003)
• 1 x Rack Mount Kit (590054)	• 1 x 12V Global Power Supply (450038)
• 1 x DB9F-RJ45 Crossover (319015)	• 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 319015 319016	Adapter – DB9F to RJ45 straight serial – DCE -For X2 Pinout Adapter – DB9F to RJ45 crossover serial – DTE -For X2 Pinout Adapter – DB9M to RJ45 straight serial – DCE – For X2 Pinout
Mounting	590054	Rack Mount Kit
Power Supply	450036 450038	External Power Supply – 25W IEC-C14 inlet, 12V DC output barrel connector – IEC 62368 External AC Power Adapter, universal input, output barrel connector – IEC 62368
Cellular / GPS Antenna	569018 449041 569041	Antenna – GPS Active – 6' Cable length Antenna Extender – Magnetic Base with 10' Cable 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)



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Documents / Resources

	opengear OM1200 Operations Manager NetOps Console Server with Smart Out of Band [pdf] User Guide OM1200, Operations Manager, NetOps Console Server with Smart Out of Band, Operations Manager NetOps Console Server with Smart Out of Band, OM1200 Operations Manager, OM1200 Operations Manager NetOps Console Server
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References

-  [Secure Remote Access and IT Infrastructure Management](#)

