

OM2200 Operations Manager

with Smart Out-of-Band Management



The OM2200 appliance, managed through our Lighthouse software, is configured for data centers and high density locations. Integrated into Opengear's Network Resilience Platform, it provides a separate, secure management plane which supports advanced automation applications.

- 16, 32, 48 Serial port and 24 Serial/24 Ethernet mixed port models
- Separate platforms optimized for 1 GbE and 10 GbE networks
- Global LTE interface (non-cellular optional)
- PSTN modem with select models
- x86 platform; embedded physical security
- Python runtime, Docker container support



Console Specifications

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|----------------|---|
| OM2216 | 16 x RJ45 RS-232 Software Selectable Straight or Rollover Pinout Console Management Ports |
| OM2232 | 32 x RJ45 RS-232 Software Selectable Straight or Rollover Pinout Console Management Ports |
| OM2248 | 48 x RJ45 RS-232 Software Selectable Straight or Rollover Pinout Console Management Ports |
| OM2248-10G-M-L | 48 x RJ45 RS-232 Software Selectable Straight or Rollover Pinout Console Management Ports, PSTN Modem |
| OM2224-24E | 24 x Selectable RJ45 RS-232 Ports and 24 x Managed 10/100/1000 Base-T Switched Ethernet Ports |

Interfaces

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|----------------------------------|---|
| Primary/Secondary Network Ports | 2 x 10/100/1000 Ethernet/SFP Fiber auto-media ports (1 GbE chassis) 2 x SFP+ (10G only) Fiber and 1 x 10/100/1000 Base-T Ethernet (10 GbE chassis) |
| Local Console Ports | 1 x micro USB 2.0 Console Port and 1 x RJ45 Serial (Straight Pinout) |
| Managed Serial Ports | 16, 32, or 48 x RJ45 RS-232 Software Selectable 50 to 230,400 bps Console Ports |
| PSTN Modem (OM2248-10G-M-L only) | 1 x Internal V.92 modem with RJ11 Socket |
| USB Ports | 2 x USB 3.0 Host Ports for storage and 8 x USB 2.0 ports for device console management |



Interfaces

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| Managed Switched Ethernet Ports | 24 x managed 10/100/1000 Base-T switched Ethernet Ports (-24E models) |
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Power Requirements

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| Dual AC Power Inputs | Dual IEC 60320 Socket Universal 100-240V AC 50/60Hz and IEC C14 side connectors |
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| Dual DC Power Inputs | +/- 40V to 72V DC, 1.5A-0.75A (x2), 48V Nominal |
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|-------------------|---|
| Power Consumption | Serial Port models 1.6 A max Mixed Port models 1.6 A max |
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Physical Dimensions

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| Dimensions | 17.25 x 10.25 x 1.75 in, 44 x 26 x 4.5 cm |
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|--------|-----------------|
| Weight | 3.5 kgs 7.7 lbs |
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|-------------|-----|
| Form Factor | 1RU |
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Memory and CPU

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| CPU | AMD GX-412TC 1.4 Ghz, 4-core 64-bit x86 |
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| Memory | 8 GB DDR3 RAM |
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|----------|------------------------------------|
| Boot ROM | 16 MB SPI with password protection |
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|------------------|------------------------|
| Internal Storage | M.2 SATA III 64 GB SSD |
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Environmental

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|-----------------------|----------------------------|
| Operating Temperature | 5°C to 50°C, 41°F to 122°F |
|-----------------------|----------------------------|

| | |
|---------------------|---------------------------------|
| Storage Temperature | -30°C to +60°C, -22°F to +140°F |
|---------------------|---------------------------------|

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|----------|-----------|
| Humidity | 5% to 90% |
|----------|-----------|

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| Cooling | Passive Cooling - can be forward or reverse mounted to suit best airflow |
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Security, Encryption & Authentication

- Trusted Platform Module 2.0
- AAA - TACACS+, RADIUS, Active Directory/Open LDAP, Kerberos, with local fallback
- Embedded Firewall
- IPSec and OpenVPN

Automation & Scalability

- Opendgear NetOps Modules
- Docker support
- Python
- Perl and bash support
- ZTP
- SNMP-Standard MIBs

Global LTE Cellular Interface

Modules OM22xx-L Sierra Wireless EM7565

Speed CAT12

Coverage Global LTE-A Support

Certifications

Cellular PTCRB, GCF, Verizon and AT&T

Emissions EN55032: 2015 Class A

Immunity EN61000-4-2, -4-3:2006+A1: 2006+A2:2010, -4-4: 2007, -4-5: 2014, -4-6:2008, -4-8: 2009, -4-11: 2010, -4-28: 2010 EN61000-3-2: 2014, EN61000-3-3: 2013

Other Agency Approvals EC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013 EN60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 100,000 hours

Warranty

5 years hardware replacement included. Appliance requires a minimum of 1 year Foundation Support at the time of purchase.

Available Models

Every OM2200 model shares the following features:

- 1 RU form factor
- 1.4 GHz 4-Core x86 CPU
- 8 GB DDR3 RAM
- 64GB Internal Storage
- 2 USB 3.0 and 8 USB 2.0 ports
- RS-232 software selectable straight or rollover pinouts

| Model | Managed Ports | Platform | SFP | Cellular | Storage |
|----------------------|-------------------------------------|----------|--|---------------|---------|
| OM2216 | 16 Serial Ports | 1GbE | 2 x 10/100/1000 Ethernet/SFP Fiber Ports | No | 64GB |
| OM2216-L | 16 Serial Ports | 1GbE | 2 x 10/100/1000 Ethernet/SFP Fiber Ports | Global 4G LTE | 64GB |
| OM2232 | 32 Serial Ports | 1GbE | 2 x 10/100/1000 Ethernet/SFP Fiber Ports | No | 64GB |
| OM2232-L | 32 Serial Ports | 1GbE | 2 x 10/100/1000 Ethernet/SFP Fiber Ports | Global 4G LTE | 64GB |
| OM2248 | 48 Serial Ports | 1GbE | 2 x 10/100/1000 Ethernet/SFP Fiber Ports | No | 64GB |
| OM2248-L | 48 Serial Ports | 1GbE | 2 x 10/100/1000 Ethernet/SFP Fiber Ports | Global 4G LTE | 64GB |
| OM2248-10G | 48 Serial Ports | 10GbE | 2 x SFP+ Fiber and 1 x 10/100/1000 Base-T Ethernet Ports | No | 64GB |
| OM2248-L | 48 Serial Ports | 10GbE | 2 x SFP+ Fiber and 1 x 10/100/1000 Base-T Ethernet Ports | Global 4G LTE | 64GB |
| OM2224-24E | 24 Serial Ports + 24 Ethernet Ports | 1GbE | 2 x 10/100/1000 Ethernet/SFP Fiber Ports | No | 64GB |
| OM2224-24E-L | 24 Serial Ports + 24 Ethernet Ports | 1GbE | 2 x 10/100/1000 Ethernet/SFP Fiber Ports | Global 4G LTE | 64GB |
| OM2224-24E-10G | 24 Serial Ports + 24 Ethernet Ports | 10GbE | 2 x SFP+ Fiber and 1 x 10/100/1000 Base-T Ethernet Ports | No | 64GB |
| OM2224-24E-10G-L | 24 Serial Ports + 24 Ethernet Ports | 10GbE | 2 x SFP+ Fiber and 1 x 10/100/1000 Base-T Ethernet Ports | Global 4G LTE | 64GB |
| OM2224-24E-10G-L-1TB | 24 Serial Ports + 24 Ethernet Ports | 10GbE | 2 x SFP+ Fiber and 1 x 10/100/1000 Base-T Ethernet Ports | Global 4G LTE | 1TB |

Every appliance ships with 2 x C14 power cables. Country-specific power cables can be purchased separately.

Package Checklist

- Operations Manager OM2200
- 2 x country specific A/C Power Cords
- 1 x Rack Mount Kit (590037)
- 1 x CAT5 Cable 6'
- 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 |
|-------------|--|
| 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 |
| 440016 | Cable - Straight through CAT5 - 6' length |
| 590037 | Rack Mount Kit - Ears and Screws |
| 449041 | Antenna Extender - Magnetic Base with 10' Cable |
| 569041 | Antenna - Blade LTE-A with swivel base |

Warranty

| Part Number | Description |
|-------------|--------------------------|
| Included | 5 year standard warranty |

Select one of the following to include with the appliance:

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|--------------------|---|
| OG-FNTS-OM2200-1YR | 1 year Foundation Support for OM2200 - 8x5 Regional Support with Advanced Replacement |
| OG-FNTS-OM2200-3YR | 3 year Foundation Support for OM2200 - 8x5 Regional Support with Advanced Replacement |
| OG-FNTS-OM2200-5YR | 5 year Foundation Support for OM2200 - 8x5 Regional Support with Advanced Replacement |
| OG-PRTS-1YR | 1 year Premium Support - Access to Premium Resources 24x7 and Advanced Replacements |
| OG-PRTS-3YR | 3 year Premium Support - Access to Premium Resources 24x7 and Advanced Replacements |

| Part Number | Description |
|-------------|---|
| OG-PRTS-5YR | 5 year Premium Support - Access to Premium Resources 24x7 and Advanced Replacements |
