

CM8000 Console Manager

with Smart Out-of-Band Management



The compact CM8000 console manager is purpose-built for secure Out-of-Band Management in locations with a small number of serial devices or limited rack space. Combined with Lighthouse for centralized visibility and control, it provides dependable access to power, sensors, and critical infrastructure when it matters most.

- Managed networking with VLAN and Routing support
- IP based device management with *Smart OOB™*
- ARM v8 platform supporting Python, Docker, Ansible
- 4 or 8 port Serial Console Management
- TPM 2.0 embedded physical security



Console Specifications

- | | |
|--------------|---|
| Serial Ports | <ul style="list-style-type: none">• CM8004: 4 x RJ45 RS232 Cisco straight X2 pinout serial ports• CM8004-C: 4 x RJ45 RS232 Cisco straight X2 pinout serial ports, 5G cellular modem• CM8008: 8 x RJ45 RS232 Cisco straight X2 pinout serial ports• CM8008-C: 8 x RJ45 RS232 Cisco straight X2 pinout serial ports, 5G cellular modem |
|--------------|---|

Interfaces

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|----------------------|--|
| Network Ports | 2 x combo ports - RJ45 100BASE-TX/1000 BASE-T or SFP |
| Local Console Port | 1 x USB-C Console Port, default baud rate 9600/8N1 |
| Managed Serial Ports | RJ45 RS-232 X2 Pinout 50 to 115,200 bps |
| USB Ports | 2 x USB 3.0 ports (for mass-storage, device console management) |
| Remote Access | Dual Ethernet, aggregation & redundancy, Automatic Network Failover, Easy browser UI, IPv6 |
| Console Management | <ul style="list-style-type: none">• Local WebUI has built-in web terminal for CLI access• IP alias for serial port console connections• Support for console event and keystroke logging• Alert on text pattern match• Multiple concurrent sessions• Centralized access to all serial managed devices from Lighthouse software |

Power Requirements

Power Input	Dual Power inputs, second available as redundancy
Power Adapter	1x Universal 110-240V AC to 12V DC external power adapter IEC 62368, UL, CB, DoE, VI, PSE, LPS certified
Power Consumption	<ul style="list-style-type: none">• Standard: Less than 24W (82 BTU/h)• Cellular: Less than 30W (103 BTU/h)
Cooling	Passive Cooling - can be forward or reverse mounted

Physical Dimensions

Dimensions and Weight	<ul style="list-style-type: none">• Standard: 8.66" x 7" x 1.75" - 2.7 lbs, 220 x 177 x 44 mm - 1.25 kg• Cellular: 8.66" x 7" x 1.75" - 3.3 lbs, 220 x 189 x 44 mm - 1.55 kg
Form Factor	Compact - SFF 1RU half-rack width

Memory and CPU

CPU	1.6 GHz Quad-Core ARM Cortex-A53 SoC
Memory	4GB LPDDR4 SDRAM
Storage	32GB eMMC

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% (non-condensing)
Environmental Monitoring	Built-in temperature sensor

Security, Encryption & Authentication

- TACACS+, RADIUS, Active Directory/OpenLDAP, with local fallback
- IPSec and OpenVPN
- FIPS 140-2 compliant
- Trusted Platform Module 2.0

Automation & Scalability

- ZTP
- Ansible

Automation & Scalability

- API based OS
- Docker support
- Python and Ruby
- SNMP-Standard MIBs

Global Cellular Interface

Modules	Sierra Wireless EM9291
Aggregation	5G NR Sub-6 & LTE CAT20

Certifications

Cellular	PTCRB, GCF, Verizon and AT&T
Cyber Security	EN 18031-1:2024, EN 18031-2:2024, EN 18031-3:2024
Emissions	EN55032:2015+A11:2020, IEC 61000-3-2: 2018+A2:2024, EN 61000-3-2:2019+A2:2024, IEC 61000-3-3:2013+A2:2021, EN 61000-3-3:2013+A2:2021, 47 CFR Parts: 15B, ICES-003 Issue 7
Immunity	EN 55035:2017+A11:2020
MTBF	712,503 Hours
Other Agency Approvals	KS C 9832:2024, KS C 9835:2024, AS/NZ CISPR 32:2015+A1:2020, VCCI-CISPR 32:2016, CISPR 32:2015+A1:2019, CNS 15936:2016
Radio Equipment Directive (RED)	EN 301 908-1 V15.2.1, EN 301 908-2 V13.1.1, EN 301 908-13 V13.3.1, EN 303 413 V1.2.1, EN 301 908-25 V15.1.1, EN 301 489-1:2019 v.2.2.3, EN 301 489-52:2021 v.1.2.1, EN 62311: 2020
RoHS	EN 63000:2018
Safety	IEC 62368-1:2018, IEC 62368-1:2014, IEC 62368-1:2023

Warranty

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

Available Models

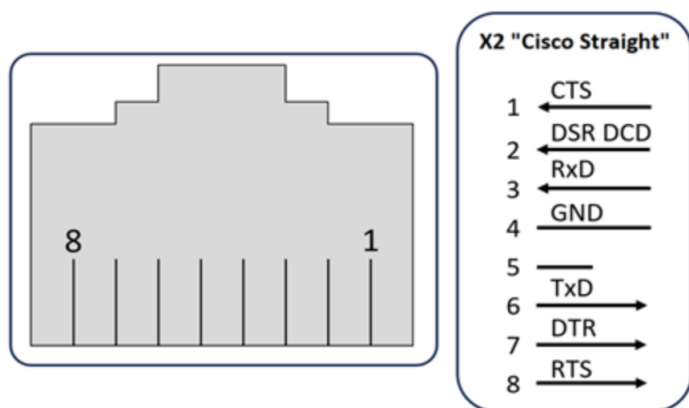
Model	Description
CM8008	8 x RS232 RJ45 serial X2 Pinout, 2x 1GbE SFP, 2x 1GbE, ARM 1.6GHz 4-core, 4GB LPDDR4, 32GB flash, TPM 2.0, Single AC

Model	Description
CM8008-C	8 x RS232 RJ45 serial X2 Pinout, 2x 1GbE SFP, 2x 1GbE, ARM 1.6GHz 4-core, 4GB LPDDR4, 32GB flash, TPM 2.0, Single AC and 5G cellular modem
CM8004	4 x RS232 RJ45 serial X2 Pinout, 2x 1GbE SFP, 2x 1GbE, ARM 1.6GHz 4-core, 4GB LPDDR4, 32GB flash, TPM 2.0, Single AC
CM8004-C	4 x RS232 RJ45 serial X2 Pinout, 2x 1GbE SFP, 2x 1GbE, ARM 1.6GHz 4-core, 4GB LPDDR4, 32GB flash, TPM 2.0, Single AC and 5G cellular modem

Package Checklist

- Console Manager CM800x
- Rack Mount Kit (Part# 590054)
- C14 Power Cable (Part# 440055)
- A/C Power Brick (Part# 450048)
- Cellular enabled models also include: 4 x Cellular Antennas (Part# 569052)

Opengear Pinout



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
440081	Cable - Straight through CAT6 High Temperature - 5' length
590054	Rack Mount Kit - Ears and Screw
590059	Rack Tray Kit - Convert to 1RU full-rack width
450051	External 60W DC Power Supply Kit, 18-72V DC Universal input, 12V DC output barrel connector - IEC 62368
450048	External 65W AC Power Adapter, IEC-C14 inlet, 12V DC output barrel connector - IEC 62368

Warranty

Part Number	Description
Included	5 year standard warranty
Select one of the following to include with the appliance:	
OG-FNTS-CM8000-1YR	1 year Foundation Support for CM8000 - 8x5 Regional Support with Advanced Replacement
OG-FNTS-CM8000-2YR	2 year Foundation Support for CM8000 - 8x5 Regional Support with Advanced Replacement
OG-FNTS-CM8000-3YR	3 year Foundation Support for CM8000 - 8x5 Regional Support with Advanced Replacement
OG-FNTS-CM8000-5YR	5 year Foundation Support for CM8000 - 8x5 Regional Support with Advanced Replacement
OG-FNTS-CM8000-7YR	7 year Foundation Support for CM8000 - 8x5 Regional Support with Advanced Replacement
OG-PRTS-1YR	1 year Premium Support - Access to Premium Resources 24x7 and Advanced Replacements
OG-PRTS-2YR	2 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
OG-PRTS-5YR	5 year Premium Support - Access to Premium Resources 24x7 and Advanced Replacements
OG-PRTS-7YR	7 year Premium Support - Access to Premium Resources 24x7 and Advanced Replacements