

# The Network Resilience Platform



How do you manage your network infrastructure when you are not at the physical location? The Opengear Network Resilience Platform combines Out of Band Management with network automation tools, to provide secure remote access to your critical devices.

Smart Out of Band™ isn't just for emergency access. The Opengear platform creates an independent management plane, for Day One provisioning and everyday use, as well as reliable cellular access when the production network is down.

## Smart Out of Band Management

### REDUCED DOWNTIME

- Advanced monitoring to detect issues before they become failures
- Minimize downtime with intelligent logging to fix problems
- Active monitoring across both your network and physical environment

### BUILT FOR NETWORK AUTOMATION

- Run Docker containers and Python scripts on the console server
- Simplify management of your OOB network
- Scalable solutions for the data center and the edge
- Advanced centralized management through a single pane of glass

### ALWAYS-ON ACCESS

- Out of Band access via multiple pathways
- Connectivity via ethernet/SFP, PSTN, cellular
- Failover to Cellular™ combined with IP
- Passthrough to provide network connectivity for edge installations

## Products



### CM8100 Console Servers

- Opengear's flagship console server family with built-in 5G
- Software-selectable serial ports: 16, 32, 48 or 96
- Secure boot with TPM 2.0
- Embedded environmental monitoring
- Dual power supplies with independent monitoring
- Dual 10GbE SFP+ uplinks and 2x 1GbE ports (on CM8100 10G models)
- Integrated 5G cellular connectivity (select models)
- Ideal replacement for legacy terminal servers



### Resilience Gateway ACM7000-L

- Embedded cellular with IP Passthrough for network failover
- 4-8 console ports
- Environmental monitoring
- Compact form factor
- Combo switch model available



### OM1200 & OM2200 Console Servers

- Network Automation & Out of Band in a single appliance
- x86 CPU and Secure Boot (TPM chip)
- Run Docker containers and Python scripts
- 4-48 console ports
- Separate platforms optimized for 1GbE and 10 GbE networks

## Built-In Proven Support for Ongoing Resilience

All Opengear appliances now come standard with a five-year hardware warranty (extendable to seven years), providing added assurance for long-term deployments.

Feature	Foundation Support	Premium Support
Availability	8x5 regional coverage	24x7 global coverage
SLA Response Times	Standard	Accelerated
Firmware & Software Updates	✓	✓
Advanced Hardware Replacement	✓	✓
Configuration Guidance		✓
Automation & Scripting Support		✓

# Features

## Smart OOB™

- Enable better visibility during failures.
- Proactively detect faults before failures become a reality.
- Advanced logging enables quick identification of issues.
- Alerting via SNMP, email, cellular SMS, RESTful API or Lighthouse®.

## Failover to Cellular™

- Reliable connectivity during primary network failures.
- Lower connection cost compared to copper phone lines.
- IP based technology enables NetOps to directly communicate via SSH clients instead of finding a port to dial into the device.

## Connectivity Services

- Flexible, global cellular data plans
- Pre-provisioned SIM cards for out-of-the-box connectivity
- Centralized management of cellular connections
- Predictable costs for secure, out of band access

## Built-in TFTP Server

- Industry leading internal storage capacity.
- Enables the user to store and utilize existing configurations and firmware during accidental configurations, resets or equipment failures.

## Automated Deployment Process

- Combine ZTP, LLDP and CDP to quickly deploy across the entire network with minimal effort.
- Flexible configuration file types and deployment methods enable Day One operations.
- Reduce deployment cost and manned operations.
- Minimize human errors, guarantee repeatability.

## Environmental Monitoring

- Combine environmental monitoring with our Smart OOB to provide greater insight beyond the network equipment.
- Monitoring external factors enables the user to minimize damage to equipment.

## Centralized Management - Lighthouse®

- Lighthouse centralizes your network and IT infrastructure into a single application and provides an unparalleled level of resilient access and visibility even during critical failures.
- Lighthouse is your central network hub and management portal for Opengear **Smart OOB** devices.
- Scalable administration and automation through its entire lifecycle – from Day One provisioning, to routine operations and disaster recovery.

## Enterprise-Grade Console Management (CM8100 Series)

- Native 5G for resilient out of band access.
- 10GbE SFP+ and 1GbE Ethernet uplinks for network resilience.
- Software-selectable serial ports (16–96) for flexible deployments.
- Secure boot via TPM 2.0 with Lighthouse integration.

## Strong Security and Authentication

- Built-in configurable stateful Firewall on all devices.
- FIPS-1140-2 compliance with OpenSSL. Strong Ciphers-AES Encryption. Cisco Compatible IP Sec, OpenVPN, AAA –TACACS+, RADIUS, Active Directory/OpenLDAP, Kerberos, with local fallback, Two-Factor authentication with AAA.
- Active firmware updates to quickly patch security issues.

## Scalable Out of Band Solution

- Wide range of hardware with various console port options, USB and flexible connection options such as redundant ethernet/SFP fiber, PSTN modem and cellular.

# Family of Products



CM8100 Console Server



CM8100 Console Server with 5G



ACM7000 Resilience Gateway



OM1200 Console Server



OM2200 Console Server



Lighthouse® Management Software