

XGS-C/EMS

Product Overview

C/EMS is a comprehensive, cloud-based platform designed to manage the full lifecycle of network infrastructure. From planning and deployment to real-time operation, maintenance, and optimization, it streamlines network operations into a single intelligent dashboard. Built for small and medium-sized operators, C/EMS ensures centralized control, proactive monitoring, and cost-effective O&M capabilities.

Key Features

Feature	Description
End-to-End Management	Covers planning, deployment, operations, maintenance, and performance tuning
Device Compatibility	Supports ONU, OLT
Centralized Dashboard	Unified web interface for managing all connected devices
Visual Monitoring	Real-time performance graphs and fault indicators
Intelligent OGM	AI-driven alerts, fault prediction, and self-healing logic
Multi-Tenant Support	Ideal for ISPs managing multiple networks or clients
Auto-Discovery	Automatically detects and registers devices on the network.
Remote Firmware Upgrade	Bulk and scheduled firmware updates from the cloud
User Access Control	Role-based access and logging for admin, NOC, and field teams
Custom Alerts & Notifications	Email/SMS-based threshold alerts for downtime, bandwidth usage, etc.

Technical Specifications

Specification	Value / Description
Deployment Type	Cloud-hosted (SaaS) / On-Premises (optional)
Supported Devices	OLTs, ONUs
Protocols Supported	SNMP, TR-069, HTTP/S
Scalability	Up to 10,000+ devices
Browser Compatibility	Chrome, Firefox, Edge (Latest versions)
Security	SSL Encryption, Role-Based Access
Database	Cloud-hosted SQL/NoSQL backend
APIs	REST APIs available for 3rd party integration

Operational Feature

- OLT configuration
- ONU Configuration
- VLAN Management
- ONU Profile Management

Monitoring and Maintenance

- OLT, ONU alarms management, configuration backup and restore.
- OLT Uplink monitoring, Traffic Control
- ONU, OLT Performance Monitoring
- Alarm filtering, categorization
- Log management, Log export
- Inventory management, Database backup and restore.

Benefits

- Reduce operational workload and manpower costs
 - Improve network uptime through proactive alerts
 - Centralize scattered deployments into a single view
 - Enhance SLA compliance with automated reports
 - Reduce truck rolls via remote diagnostics & upgrades.
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Use Cases

- Fiber Broadband Network Management
- Smart City Infrastructure Monitoring
- Telecom O&M Outsourcing Partners
- Campus/Enterprise Network Control

