



Xtreme

Network Management & Control

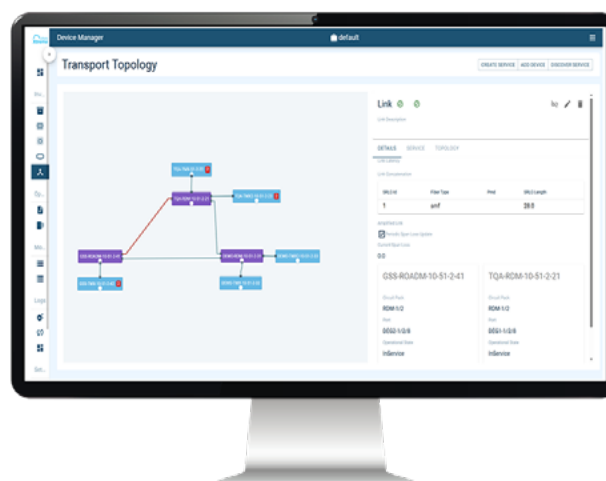
Accelerate Service Deployment. Zhone Xtreme is a unified SDN Management and Control (M&C) platform that simplifies and accelerates the deployment of 100G/400G/800G optical services across multi-vendor DWDM and OLT networks. It reduces integration complexity, speeds up time-to-market, and slashes operational costs.

Features & Benefits

- + Zhone Unified Management and Open Architecture for Broadband Access and Optical Transport Networks
- + NETCONF/YANG and Open ROADM standards compliant
- + BBF compliant
- + Legacy SNMP Integration via Protocol
- + Independent Module
- + Template-driven operations using Rest APIs
- + Customizable Operations with back office integration

Unified Network Management

- + **Topology visualization** with chassis/module/port/interface drill-down
- + **Device lifecycle management** (add, configure, upgrade, backup, restore)
- + **OSS/BSS integration** via open APIs
- + **SDN + non-SDN coexistence** with plugin-based abstraction



SDN M&C Functional Modules	
Function	Capabilities
Device & Link Inventory	Export, filter, visualize, link to Saber, Link to O-Series
Fault Management	Alarm collection by severity (network/node/sled/port). Includes O-Series, SNMP OLTs
Performance Management	PMs for sleds, OLTs, ports, interfaces
Service Management	Activate/deactivate via Saber interface. Access management
Node Management	Discover, reboot, configure, backup/restore, firmware upgrade
Device Audit	Configuration sync between controller and node
Topology Management	Visualize, add/delete links and service descriptions

Xtreme Management & Control - Product Specifications	
Platform Architecture	
Controller	OpenDaylight with PCE, Kubernetes
Southbound	NETCONF/YANG, SNMP, CLI, proprietary plugins
Northbound	REST API
Streaming	Apache Kafka
Database	MongoDB, Redis, InfluxDB
System Requirements	
Production Instance	32 vCPU, Memory Storage: 64G Memory, 100G Ephemeral, 500 G Persistent
Lab Instance	16 vCPU, Memory Storage: 32 GB, 200GB Hard Drive Storage
OS	Ubuntu 22.04+, Rocky Linux 9 (server), HTML5 browser (client)
Deployment	Containers/pods in Kubernetes on VM/Bare Metal/Cloud
Connectivity	Floating IP with internet access

Xtreme Ordering Information

Product	Description
XTREME-BASE	Xtreme Transport/Access/Orchestration base software, includes licenses for 1 server/30 users/1 network element/100 subscribers - Perpetual
XTREME-AL-SUBS	Xtreme - add on - 1,000 Subscriber license - Perpetual
XTREME-AL-NODE	Xtreme - add on - 5 Network Element license - Perpetual



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