



Jupiter JOLT-C80P

80 Port OLT

New high performance OLT

Product Description

The Internationally certified Jupiter OLT meeting the requirements of ITU-T G.984/G.988 with carrier-class reliability and complete set of security functions. this product is designed with focus on quality performance and features. Based on advanced technology and supporting powerful Ethernet services and QoS features, the Jupiter OLT runs highly flexible software in order to satisfy custom operator requirements

Product Features

- » Compact 5RU 19inch design
- » 80 GPON ports
- » 10 XGSPON ports
- » Downlink/Uplink - 10Gbps/2.5Gbps
- » Support B+ and C+ SFP
- » ONT Broadcast and loop protection
- » Hot Dual power supply

High-performance software-driven platform

The Jupiter JOLT-C80P OLT is an enhanced OLT that is easy to install and maintain. The advanced OLT provides 80 downstream GPON ports, 4x 10 uplink GE optical port and 10 XGSPON ports with an expansion slot supporting an additional 2 x 10GE SFP+ ports. It supports different configurations of GX ONTs in order to minimize operator investment

PRODUCT FEATURES AND SPECIFICATIONS

Jupiter JOLT-C80P

General Specifications

- > Mounting: 19" inch Rack mount, 5RU
- > Dimensions: 482mm(W) x260mm(D) x 219mm(H)
- > Downlink Ports: 80/40 PON and 10 XGSPON
- > Uplink Ports: 4 10GE SFP+ uplink port
- > Switching Capacity: 640Gbps
- > Throughput: 480MPPS
- > Power: DC: Input -48V~-60V | AC: Input 90V-264V
- > Power Consumption: ≤550W
- > Weight: ≤12.8kg

Regulatory Compliance

- > EMI/EMC: CE Class A, VCCI Class A, FCC part 15, sub part B, class A
- > Safety: IEC 60950 UL 60950 EN 60950
- > Surge/Lighting Protection: ITU-T K.20, YDT1082-2000
- > RoHS Compliant

Environment Requirements

- > Working Temperature: 0° to 50° C (operating)
- > Storage Temperature: -40° C to +70° C
- > Humidity: 10 to 90% non-condensing

GPON Features

- > Downlink 2.5Gbps/ Uplink 1.25Gbps
- > Support Class B+, Class C+ GPON Module
- > ONU Authorization Mechanism
- > Switch on/off transceiver of ONT remotely

XGPON Features

- > Downlink 10Gbps/ Uplink 2.5Gbps
- > Support N1, N2a GPON Module
- > ONU Authorization Mechanism
- > Switch on/off transceiver of ONT remotely

Reliability

- > Loopback-detection
- > Support long luminescence, and other abnormal light emitting ONU detection capabilities
- > Unidirectional link detection protocol to prevent spanning tree loops
- > Expansion Slot support GPON SFP module hot swappable
- > Redundant Control, Switching Modules & Power Modules with Hot redundancy

Configuration Options

Model	Description	Configuration
JOLT-C80P	XGSPON OLT	80 x GPON ports, 10 XGSPON Ports
SACO	Additional Power supply	Power supply unit
SEMS15	Saturn EMS	EMS Software and basic licence