

MaiaEdge Port Extender

Add customer ports to your Path Border Controller. The Port Extender is an integrated 1U switch that pairs with the MaiaEdge PBC 2000 to expand port capacity, all managed from the same MaiaEdge UI.



PRODUCT DESCRIPTION

High-Density Port Extension for the PBC

For data centers, meet-me rooms, and aggregation sites, the MaiaEdge Port Extender expands physical port capacity for Path Border Controller deployments. The integrated 1U switch adds high-density customer and service handoff ports while provisioning, visibility, and service control stay in the MaiaEdge UI.

Features & Capabilities

Plug-and-Play Integration

Deploys alongside a [PBC 2000](#) to extend physical port reach. Ports are assigned from the MaiaEdge UI, with no manual switch configuration required.

High-Density Customer Access

48 SFP28 10/25 GbE ports for customer, service and network-facing connectivity in dense interconnection environments.

Data Center-Grade Hardware Resiliency

Equipped with dual hot-swappable, 1+1 redundant power supplies and a 3+1 redundant fan tray to ensure continuous availability in demanding data center environments.

Tenant Isolation

Q-in-Q outer VLAN push/pop on customer ports, programmed from the MaiaEdge UI.

TECHNICAL SPECIFICATIONS

Port Extender

Category	Specification
PERFORMANCE & CAPACITY	
Switching Capacity	2.0 Tbps I/O bandwidth
Packet Buffer	32 MB packet buffer
PHYSICAL INTERFACES	
Access Ports	48 × SFP28 10/25 GbE
Uplink Ports	8 × QSFP28 100 GbE
Management Interfaces	1 × Rear management port (RJ-45) · 1 × Serial console (RJ-45) · 1 × USB Type-A
PHYSICAL & ENVIRONMENTAL	
Dimensions (H × W × D)	44 mm × 438 mm × 520 mm (1U EIA Rackmount)
Power Supplies	1+1 Redundant, Hot-Swappable PSUs (100–240VAC or 180–300VDC auto-ranging)
Max Power Consumption	<500W Maximum (Typical <350W at 25°C)
System Cooling	3+1 redundant fans; front-to-back airflow
Operating Temperature	0°C to 45°C
Operating Humidity	5% to 90% non-condensing
MTBF Reliability	In excess of 150,000 hours
Rack Hardware	Ears, brackets and rails included
Certifications	FCC, UL/CSA, CB, VCCI, EN55022/55024

Add ports without the complexity.

TALK TO AN EXPERT