

EDGE SWITCHES

ONS-C401i / ONS-C810p / ONS-C801pi /
ONS-C1601pi / ONS-C2401p / ONS-C4801p



A complete family of intelligent switches for a flexible and efficient building network

Optigo Networks understands the complexities involved in network design and installation. We have combined input from our best customers with our own innovative design to create a line of Edge Switches that allow your network to reach everywhere — from a server rack to compact control panels.

Optigo's Edge Switches are robust and commercial/industrial grade. They provide the perfect solution to build powerful, fully-managed OT networks. Optigo Edge Switches provide plenty of PoE bandwidth for all applications.

Edge Switches provide a building network to match the footprint of any Smart building. This creates an efficient and flexible network, with topologies that reach up to 20 km (12 miles) while reducing cabling costs up to 80%.

Network Management with Optigo OneView™

OneClick Secure™ — Ensure complete port security with instant MAC lock-down and disabling of all unused ports to prevent cyberattacks.

Single Pane of Glass Management — Optigo's OneView allows all ports from all switches to be monitored and managed in a single graphical view. Never configure a switch individually and never use CLI again.

Advanced PoE Management — Centrally manage PoE use and distribution with real-time PoE budget (used/available) displayed on a per-switch basis and view PoE power consumption on a per-port basis. Optigo OneView also gives you full control of the PoE ports with options to enable, disable, or reset any port.

Bandwidth Management — Keep track of the system's bandwidth with detailed port counters and real-time bandwidth/utilization calculations.

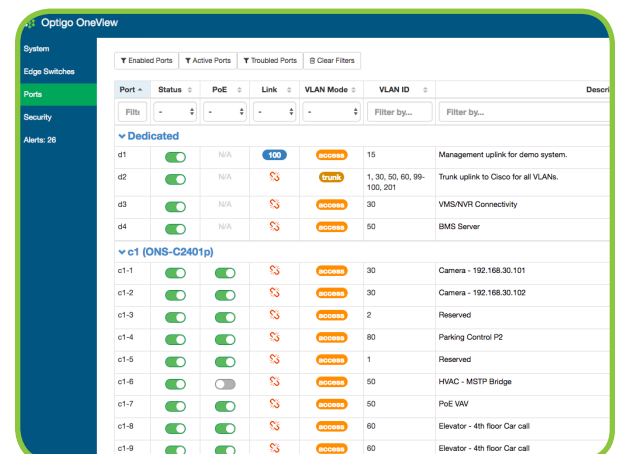
Simplified Network Maintenance — OneView lets you run all maintenance through a single interface. Simple and fast diagnostic reports, configuration, firmware upgrades or even switch resets — all at the touch of a button.



ONS-C4801p, ONS-C1601pi, and ONS-C801pi Edge Switches

Product Highlights

- **A versatile selection** of Edge Switches — with various sizes and mounting options, there is one for any application.
- **Flexible uplink architecture** to match the foot print of any Smart building.
- **Save space and cable costs** with efficient and flexible network topologies.
- **Centrally manage PoE & VLAN** settings with Optigo's OneView™ Dashboard.
- **Supports all protocols** in use for Security and Building Automation.



Product Specifications



ONS-C401i
Coming Soon



ONS-C810p
Coming Soon



ONS-C801pi



ONS-C1601pi



ONS-C2401p

ONS-C4801p

PORTS AND PHYSICAL CHARACTERISTICS

TARGET APPLICATION	Industrial Control, Distributed HVAC	Low-Density Security / Surveillance	Outdoor / Pole MAX PoE+	Industrial Panel Centralized PoE+	High-density Centralized PoE+ for Security, Lighting, HVAC, Access Control	
RJ45 PORTS	4 x 10/100	8 x 10/100/1000	8 x 10/100	16 x 10/100	24 x 10/100/1000	48 x 10/100/1000
SFP/UPLINK PORTS	2 x SFP, 100/1000		4 x SFP, 100/1000			
POE SPEC	N/A	802.3at PoE+, 30W available on every port (also supports 802.3af, 15W per port)				
POE BUDGET	N/A	130W	240W	240W	370W	740W
POWER	12-48 VDC	100-240 VAC	Dual 48 VDC	Dual 48 VDC	100-240 VAC	100-240 VAC
POWER SUPPLY	Sold separately	Included	Sold separately, supports 1 power supply, or 2 (for redundancy)		Included	Included
OPERATING TEMPERATURE	-10°C ~ 60°C (14°F ~ 140°F)	0°C ~ 50°C (32°F ~ 122°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-20°C ~ 60°C (-4°F ~ 140°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)
DIMENSIONS	149 x 121 x 30 mm 6.7" x 3.9" x 1.2"	225 x 169 x 44 mm 9.0" x 7.0" x 1RU	74 x 105 x 152 mm 2.9" x 4.1" x 6.0"	74 x 135 x 152 mm 2.9" x 5.3" x 6.0"	440 x 310 x 44 mm 18" x 12" x 1RU	440 x 410 x 44 mm 18" x 16" x 1RU
WEIGHT	0.45 kg (1.0 lb)	1.9 kg (4.4 lb)	0.9 kg (2.0 lb)	1.2 kg (2.6 lb)	4.7 kg (10.5 lb)	6.4 kg (14.2 lb)
MOUNTING	DIN, Wall	Rack, Wall	DIN, Wall	DIN, Wall	Rack, Wall	Rack, Wall
CERTIFICATIONS	UL, CE, RoHS	UL, CE, RoHS	UL cert. power supply, CE, RoHS	UL cert. power supply, CE, RoHS	UL, CE, C-TICK, RoHS	UL, CE, C-TICK, RoHS
WARRANTY	5 years	3 years	5 years	5 years	3 years	3 years

NETWORKING FEATURES

EPON SPEC	IEEE 802.3ah GEPON, 1 Gbps bidirectional, 1310/1490 nm					
FIBER SUPPORT	Single-strand, Single-mode Optical Fiber – OS1/OS2 – 9/125 μm					
CONNECTOR	Simplex SC/UPC Female Connector					
TRANSCEIVER	Use Optigo Edge Switch SFP: ONS-CX-SFP					
TX / RX	Transmit Power: 0.0 ~ 4.0 dBm			Receive Sensitivity: -27 ~ -3 dBm		
SWITCHING	4.8 Gbps	24 Gbps	9.6 Gbps	11.2 Gbps	56 Gbps	104 Gbps
LOOP DETECTION	IEEE 802.1w RSTP plus support for intra/inter-switch device rings					
MTU	2000 bytes					
VLAN	IEEE 802.1q VLAN Up to 4K- Configurable per port in Trunk, Access, or Local mode					
MAC SECURITY	View Connected MAC address(es), per-port MAC address filter					
TRAFFIC HANDLING	Ethernet, TCP/IP or UDP/IP, BACnet/Ethernet, BACnet/IP					

Ordering Information

SFP (Small Form-Factor Pluggable) are required for use with EVERY Edge Switch.

SFP (Small Form-factor Pluggable) optics must be ordered separately.	Please order 1 ONS-CX-SFP for each Edge Switch. Additional SFPs may be ordered as spares.
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Contact us for more information
and to order:
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Product design and specifications subject to change without notice.
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