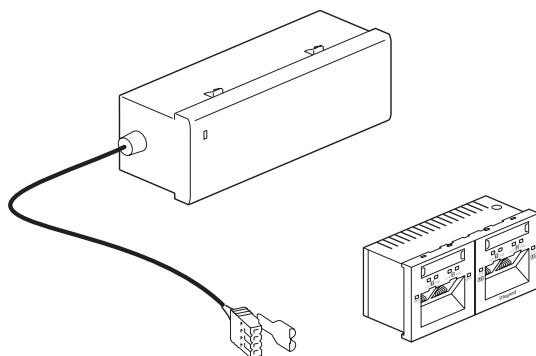


Mosaic™

Cat. no(s) : 0 779 05 - 0 779 06

Switch PoE manageable 4M and Power supply



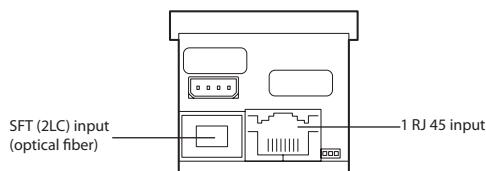
1/ DESCRIPTION : switch PoE - ref : 0 779 05

The LCS²-FTTO concept recommends deployment of vertical and horizontal optical fibre from the building distributor (BD) to the areas of use, via a wall-mounted floor cabinet.

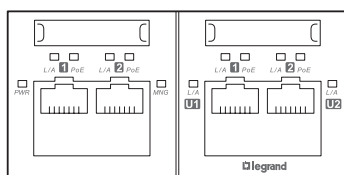
The floor cabinet serves to split the fibre outputs into 4-fibre cables to office space switches. These switches convert the optical signal into a copper signal, deliver PoE/PoE+ through their associated power supply and are fully manageable.

The vertical and horizontal cabling uses optical fibre up to the connection of the switch SFP ports, which is located in trunking.

TECHNICAL SPECIFICATIONS :



- 1 uplink SFP slot with provided 1000 Base-SX SFP optical transceiver with LC Duplex connector, located inside the trunk.
- 1 uplink 10/100/1000 Base-T Ethernet located inside the trunk.
- 4 x 10/100/1000Base-T Ethernet located on the face plate.



- Power Over Ethernet on all 4 front (user) ports, supporting power supply according to IEEE 802.3af/at (PoE/PoE+), up-to a total of 60 Watts.
- Fanless

LED Indications :

- L/A** Link/Activity indication, six LEDs : User's ports 1-4, two Uplink port(s)
- PWR** Power ON indication
- MNG** Management agent operation indication
- PoE** PoE, power provided to the port (user ports 1, 2, 3, 4)

Software features :

- Embedded web interface for management (full Java applet)
- Remote Management via SNMP, Web (HTTP/ HTTPS) and Telnet
- RMON - Ethernet statistic group
- Monitoring of link status, traffic, temperature and voltage
- Event log, trap management
- PoE management, including open/close port, remote reset and power measurement
- Open/close port, rate limit, flow control
- Static IP or DHCP IPv4 operation, IPv6 support
- Per port QoS/CoS configuration with 4 priority queues (802.1q or TOS)
- Broadcast storm control
- High speed, non-blocking store & forward, switching performance
- Shared 1Mbit frame buffer memory
- Address table: 8K MAC addresses with automatic learning and aging
- Up to 10K byte jumbo frames support
- Support for up to 64 VLAN
- Port based and 802.1q VLAN support
- Enhanced ingress/egress tag add/remove operations
- Multicast support via IGMPv3 snooping
- Port mirroring
- Port based network access control via MAC security
- 802.1x port-based access control with multiple Radius server support for authentication (EAP MD5)
- Radius-based web authentication
- Spanning Tree STP/RSTP 802.1d/w
- Auto negotiation, auto crossover (MDI/X) on RJ45 ports
- Provided initial configuration tool for IP discovery and addressing setup (FTTO Init)
- Remote software update capabilities

Unit Dimensions :

W mm(Inc.)	H mm(Inc.)	L mm(Inc.)	Weight g
80	40	36	205

Standard Compliance :

IEEE802.3, 802.3u, 802.3x, 802.1q, 802.1p, 802.1d/w
RMON : RFC 2819 Ethernet statistic group
IEEE802.3af (PoE), IEEE802.3at (PoE+)

Safety and Emission :

CE, FCC Part 15, EN60950, VCCI

Power :

Power Consumption : 5 Watts max. (without PoE) - see description Power Supply.

Environment :

Operation : 0 to 45°C (32 to 113°F) environment temperature
Storage : -30 to 65°C (-22 to 149°F)
Humidity : 10% to 90% non-condensing

Switch PoE manageable 4M and Power supply

2/ DESCRIPTION : power supply - ref : 0 779 06

In Mosaic range trunking for integration of the power supply and associated switch (see datasheet of cat. n° 0 779 05).

- Snap-In external power supply for the switch - ref : 0 779 05
- Suitable for 45x45 duct/trunk systems and under floor installations
- CE Certified, Class B Power Supply
- Dual DC output and Shield/GND terminal plug
- Wide range AC/DC input range
- High efficiency compact design power supply
- Fast & Simple «click-in» installation and operation

TECHNICAL SPECIFICATIONS :

Power

Output	
Output Voltage (DC)	52V/1.15A ; 3,3V/5A
Rated Power (max.)	60Watt
Voltage tolerance	+/- 1%
Ripple and Noise	52V +/- 240mVp-p ; 3,3 V +/- 40mVp-p
DC Cable Length	50cm
DC Output Plug	4 pin terminal block ; Shield terminal
Input	
Input Voltage Range	90-264VAC 47-63Hz ; 135-370VDC
Efficiency (typical)	92%
AC Current	1.4A/115VAC ; 1A/230VAC
Inrush Current (max.)	65A/230VAC
Leakage Current (max.)	0,75mA/240VAC
AC Input Plug	3 pin terminal block header with screw tight plug
MTBF	711Khrs min. (MIL-HDBK-217F 25°C)
Protection	
Overload Protection	Recovery after fault condition is removed
Over Voltage Protection	Shut down o/p voltage, re-power on to recover
Over Temperature Protection	> 78°C Shut down o/p voltage, re-power on to recover
DC OK Indication	Green LED (3.3V)

Unit Dimensions :

W mm(Inc.)	H mm(Inc.)	L mm(Inc.)	Weight g
45	48	135	290

Safety and standards :

Safety standard : EN60950-1 : 2005
 EMC Emission : EN61000-6-3,4 ; EN55022 Class B
 EMC Immunity : EN61000-6-2 ; EN55024
 Certifications : CE Certification

Environment :

Operation : - 20°C / + 50°C
 Storage : - 40°C / + 85°C
 Humidity : 20% to 90% non-condensing

3/ INSTALLATION PRINCIPLE :

