ARCDATA
CONNECTING YOUR BUSINESS FORWARD

ABN 11 664 411 689
support@arcdata.com.au
www.arcdata.com.au

ARC DATA 8-Port GE PoE+ ONU / MDU

Power eight cameras, APs or phones straight off the fibre

A dual-mode GPON/EPON ONU/MDU with eight Gigabit 802.3at PoE+ ports (30 W per port, up to 130 W total) — a complete powered edge from a single fibre drop, for MDU, surveillance, hospitality and SMB FTTx.





FRONT: 8× GE POE+, PON, 48V, POWER

8× GE	30/130 W	Dual-Mode	20 km
POE+ PORTS	POE+ PER PORT / TOTAL	GPON / EPON	REACH

OVERVIEW

The ARC-ONU-8P is a carrier-grade 8-port Gigabit ONU/MDU with built-in PoE+, purpose-built for multi-dwelling, surveillance, hospitality and SMB FTTx. Its dual-mode XPON port auto-connects to GPON or EPON OLTs, and all eight IEEE 802.3at/af PoE+ Gigabit ports (up to 30 W per port, 130 W total) power and connect IP cameras, Wi-Fi access points, VoIP phones and other PoE devices directly. Built on a high-performance chip with illegal-ONU detection, a hardware firewall and dying-gasp, it offers QoS-guaranteed Layer 2 services and full remote management; conforms to IEEE 802.3ah and ITU-T G.984.

FEATURES

8× Gigabit PoE+
IEEE 802.3at/af, 30 W per port / 130 W total — power cameras, APs, phones.

Dual-Mode XPON
Auto-access to GPON (Class B+) or EPON (PX20+).

Data ONU / MDU
No Wi-Fi — pair with any operator router/gateway.

Carrier-Grade Security
Illegal-ONU detection, DDoS/ACL/MAC/URL firewall, dying-gasp.

Full Remote Management
OMCI (ITU-T G.984.x), CTC OAM 2.0/2.1, Web, Telnet, CLI.

QoS & Multicast
4 queues SP/WRR/802.1P; IGMP v1/2/3 snooping.

TECHNICAL SPECIFICATIONS

INTERFACES	
LAN Ports	8 × GE (10/100/1000Mbps, RJ45) with PoE+
PoE Standard	IEEE 802.3at / 802.3af — max 30 W per port, ≤130 W total
PON Port	1 × XPON — EPON PX20+ & GPON Class B+ (dual-mode)
Connector	SC/UPC, single mode
Indicators	Power, PON, LOS, SYS, LAN1-8
OPTICAL	
TX Optical Power	0 ~ +4 dBm (1310 nm)

1300 100 440 (Australia)
+64 9 871 4845 (New Zealand)
+61 3 7067 3330 (International)

ARC HOST PTY LTD

ARCDATA
CONNECTING YOUR BUSINESS FORWARD

ABN 11 664 411 689
support@arcdata.com.au
www.arcdata.com.au

RX Sensitivity	-27 dBm (1490 nm)
Overload Optical Power	-3 dBm (EPON) / -8 dBm (GPON)
Transmission Distance	20 km

SOFTWARE

VLAN	Tag / transparent / trunk (up to 8 VLANs)
QoS	4 queues, SP / WRR, 802.1P
Multicast	IGMP v1/v2/v3 snooping; up to 8 multicast VLANs / 64 groups
LAN	Port rate limiting, loop detection, flow control, storm control
Security	Illegal-ONU detection, DDoS/ACL/MAC/URL firewall, dying-gasp
Management	OMCI (ITU-T G.984.x), CTC OAM 2.0/2.1, Web, Telnet, CLI; centrally managed via the ARC VISION Cloud Platform

PHYSICAL & POWER

Dimensions (L×W×H)	205 × 125 × 28 mm
Weight	0.615 kg
Power Input	DC 54V / 2.4A (external AC-DC adapter)
Power Consumption	≤ 130 W (with PoE)
Operating Temperature	-10 °C ~ +55 °C, 10–90% non-condensing
Storage Temperature	-30 °C ~ +70 °C

COMPLIANCE & ORDERING

- **ITU-T G.984.x** (GPON), **IEEE 802.3ah** (EPON), **IEEE 802.3at** (PoE+); **RCM** (AS/NZS CISPR 32 + AS/NZS 62368-1) and **RoHS**.

ARC Order Code	ARC-ONU-8P
Product	ARC DATA 8-Port GE PoE+ GPON/EPON ONU/MDU
In the Box	1 × ONU, DC 54V/2.4A power adapter, mounting accessories