ARCDATA
CONNECTING YOUR BUSINESS FORWARD

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

ARC DATA 4-Port GE PoE+ ONU

Power cameras, APs & phones straight off the fibre

A dual-mode GPON/EPON optical network unit with four Gigabit 802.3at PoE+ ports (30 W per port, 60 W total) — a complete powered edge from a single fibre drop, for surveillance, hospitality and SMB FTTx.





FRONT: 4× GE POE+, PON, 48V, POWER

4× GE	30/60 W	Dual-Mode	20 km
POE+ PORTS	POE+ PER PORT / TOTAL	GPON / EPON	REACH

OVERVIEW

The ARC-ONU-4P is a carrier-grade 4-port Gigabit ONU with built-in PoE+. Its dual-mode XPON port auto-connects to GPON or EPON OLTs, while four IEEE 802.3at PoE+ Gigabit ports (30 W per port, up to a 60 W total system budget) power and connect IP cameras, Wi-Fi access points, VoIP phones and other PoE devices directly — turning one fibre drop into a complete powered edge. As a clean data SFU (no Wi-Fi), it lets operators pair their own gateway while the ONU handles optical termination and PoE distribution, with rogue-ONU prevention, a hardware firewall and dying-gasp for carrier-grade reliability.

FEATURES

4× Gigabit PoE+
IEEE 802.3af/at, 30 W per port / 60 W total — power cameras, APs and phones.

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

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

Carrier-Grade Security
Rogue-ONU prevention, hardware firewall, dying-gasp.

Full Remote Management
OMCI (ITU-T G.984.x), Web, Telnet, CLI.

Rugged Metal Housing
Desktop or wall-mount; 20 km reach.

TECHNICAL SPECIFICATIONS

INTERFACES

LAN Ports	4 × GE (10/100/1000Mbps, RJ45) with PoE+
PoE Standard	IEEE 802.3af / 802.3at (PoE+) — 30 W per port, 60 W total system budget
PON Port	1 × XPON — EPON PX20+ & GPON Class B+ (dual-mode)
Connector	SC/UPC, single mode

OPTICAL

TX Optical Power	0 ~ +4 dBm (1310 nm)
RX Sensitivity	-27 dBm (1490 nm)

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

Transmission Distance	20 km

SOFTWARE

Features	VLAN, QoS, IGMP multicast, rogue-ONU prevention, firewall, dying-gasp
Management	OMCI (ITU-T G.984.x), Web, Telnet, CLI; centrally managed via the ARC VISION Cloud Platform

PHYSICAL & POWER

Dimensions (L×W×H)	205 × 125 × 28 mm
Power Input	DC 54V / 1.11A (external adapter)
Power Consumption	≤ 60 W (with PoE) / ≤ 12 W (without PoE)
Operating Temperature	-10 °C ~ +55 °C, 10–90% non-condensing

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-4P
Product	ARC DATA 4-Port GE PoE+ GPON/EPON ONU
In the Box	1 × ONU, DC 54V power adapter, mounting accessories