ARCDATA
CONNECTING YOUR BUSINESS FORWARD

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

# ARC DATA 10G XGS-PON Stick ONU (SFP+)

**Symmetric 10-Gigabit fibre from any router or switch SFP+ port**

**A high-performance XGS-PON Stick ONU in an SFP+ form factor — plug it into an SFP+ port for symmetric 9.953 Gb/s fibre access, with the MAC built in. Web-managed and compatible with MikroTik, Ubiquiti and other 10G routers/switches.**



| **10G XGS** | **SFP+ Stick** | **Web-Managed** | **20 km** |
|---|---|---|---|
| SYMMETRIC PON | MAC INSIDE | ARC VISION CLOUD | REACH |

## OVERVIEW

The ARC-ONU-STICK-X is a high-performance 10G XGS-PON Stick ONU in an SFP+ form factor — plug it directly into the SFP+ port of a router, switch or gateway to provide symmetric 9.953 Gb/s XGS-PON fibre access, MAC included. A high-power 1270 nm DML DFB transmitter and high-sensitivity 1577 nm APD receiver deliver 20 km over single-mode fibre. Powered by a high-performance carrier-grade chipset with web-managed firmware, it offers one-click configuration of the PON SN, Vendor/Equipment ID, Logical ONU ID, password and MAC — and is compatible with MikroTik, Ubiquiti, Netgate, TP-Link and other 10G routers/switches.

## FEATURES

**Symmetric 10G XGS-PON**
9.953 Gb/s TX/RX, MAC inside, SFP+ hot-pluggable.

**Broad Compatibility**
MikroTik, Ubiquiti, Netgate, TP-Link & other 10G routers/switches.

**Carrier-Grade**
QoS engine, Synchronous Ethernet (SyncE), advanced loopback & diagnostics.

**Web-Managed**
One-click config; set PON SN, Vendor/Equipment ID, MAC, password.

**Carrier-Grade SoC**
1270nm DML DFB / 1577nm APD; SC/APC; 20 km SMF; DDM.

**Industrial Build**
-40°C to +85°C, <3 W, low EMI, ESD protected.

## TECHNICAL SPECIFICATIONS

### INTERFACES

| | |
|---|---|
| **Form Factor** | SFP+ stick ONU (hot-pluggable, MAC inside) |
| **PON Port** | 1 × XGS-PON (symmetric); GPON / XGS-PON / NG-PON2 standards |
| **Data Rate** | Symmetric 9.953 Gb/s TX / 9.953 Gb/s RX |
| **Optical Connector** | SC/APC receptacle, single mode |
| **Chipset** | carrier-grade XGS-PON SoC |

ARCDATA
CONNECTING YOUR BUSINESS FORWARD

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

| OPTICAL | |
|---|---|
| **Transmitter** | High-power 1270 nm DML DFB LD |
| **Receiver** | High-sensitivity 1577 nm APD |
| **Transmission Distance** | 20 km (SMF) |
| **Diagnostics** | Digital Diagnostic Monitor (DDM), CML-compatible I/O |

| SOFTWARE | |
|---|---|
| **Firmware / Management** | Intuitive web management with one-click configuration; centrally managed via the ARC VISION Cloud Platform |
| **Capacity** | 256 GEM/XGEM ports, 64 T-CONTs or 16 LLIDs; OMCI L2 MAC bridge (up to 64) |
| **Provisioning** | Configurable PON SN, Vendor ID, Equipment ID, Logical ONU ID, password, MAC |
| **QoS / Timing** | Carrier-grade QoS, Synchronous Ethernet (SyncE), loopback & diagnostics |
| **Standards** | ITU-T G.987.2, G.9807.1/9807.2, G.988 OMCI, G.8275/Y.1369, IEEE 1588v2, 802.1ag, Y.1731 OAM |
| **Compatibility** | MikroTik, Ubiquiti, Netgate, TP-Link & other 10G switches/routers |

| PHYSICAL & POWER | |
|---|---|
| **Power Consumption** | < 3 W |
| **Case Temperature** | Industrial -40 °C ~ +85 °C |
| **Protection** | Low EMI, excellent ESD protection |

## COMPLIANCE & ORDERING

- **ITU-T G.9807.1/9807.2** (XGS-PON), **G.987.2**, **G.988** (OMCI), **IEEE 1588v2**; **RCM** (AS/NZS CISPR 32 + AS/NZS 62368-1) and **RoHS**.

| | |
|---|---|
| **ARC Order Code** | ARC-ONU-STICK-X |
| **Product** | ARC DATA 10G XGS-PON Stick ONU (SFP+), symmetric 9.953G, web-managed |
| **In the Box** | 1 × SFP+ stick ONU module |
| **Applications** | Home gateway, switch/router, VDSL MDU, G.fast / G.hn DPU, mobile backhaul |