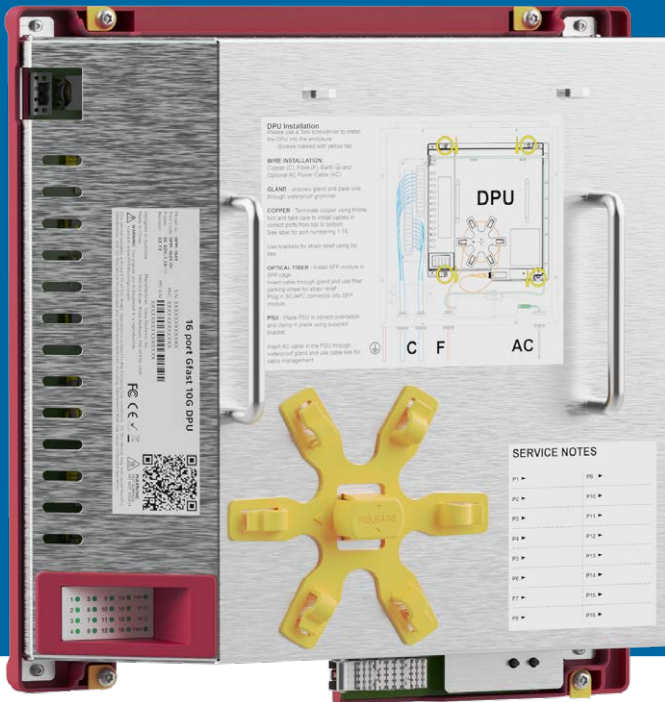


16-PORT GFAST 10G DISTRIBUTION POINT MODULE (DPM) DPM-1601



Designed to assist operators in maximizing revenue from **Fiber-to-the-Home** (FTTH) deployments, particularly in scenarios where deploying the final fiber segment is difficult, expensive, or impractical. The **NetComm DPM-1601 16-Port Gfast 10G DPM** acts as a fiber extender for **GPON & XGS-PON** networks, delivering gigabit-class service over the existing copper lead-in cable.



HIGH SPEED BROADBAND

Gfast 212MHz provides aggregate speeds up to 2Gbps, enabling the delivery of fiber-equivalent gigabit services over legacy copper.



REVERSE POWER

The DPUs are reverse powered by the **Network Termination Device** (NTD) installed in the end-user premises, avoiding the cost and delay associated with providing a local AC power connection and eliminating potentially difficult negotiations with apartment owners over access to, and charges for, AC power.



ADVANCED REMOTE MANAGEMENT

The DPUs support **Netconf/YANG**, offering full remote device management and troubleshooting by using a Persistent Management Agent Aggregator (PMAA).



ANYWHERE INSTALLATION

Silent, energy-efficient passive cooling design withstands a wide temperature range from -20°C to $+60^{\circ}\text{C}$. Fully sealed waterproof outdoor housing with surge protection provides enhanced reliability even in the toughest conditions.

TECHNICAL SPECIFICATIONS

CONNECTIVITY

- › 1 x SFP+ uplink port (supports GPON and XGS-PON transceivers)
- › 16 x Gfast (ITU G.993.2/G.9701) ports

SUPPORTED STANDARDS

- › IEEE 802.1Q VLANs
- › IEEE 802.1Q Class of Service ("802.1p")
- › IEEE 802.1ad (Stacked VLANs)
- › IEEE 802.1ag
- › ITU Y.1731 (Fault Management and Performance Monitoring)
- › ITU G.993.2
- › ITU G.9807.1
- › ITU G.988 OMCI
- › ITU G.9700 & G.9701 (G.fast)
- › Broadband Forum TR-156/TR-247/TR-255
- › Broadband Forum TR-301/TR-355
- › (DPU Management)

POWER SUPPLY

- › **Input:** 60V/70W (SR2)
- › Powered by NDD-03XX Gfast NTD or NDD-01XX RPU
- › **Output:** 60V/250mA max

SAFETY STANDARDS

- › IEC/EN 62368-1, Part 1

EMC STANDARDS

- › EN 55032
- › EN 55035

REGULATORY COMPLIANCE

- › CE
- › FCC
- › RoHS
- › WEEE
- › UL

DIMENSIONS & WEIGHT

- › 341mm (L) x 334mm (W) x 141mm (D)
- › 4kg

ENVIRONMENTAL PERFORMANCE

- › **Operating temperature range:** -20°C to +60°C
- › Passively cooled
- › Maintenance free design

INSTALLATION

- › Deploy in the DSE-1608 DPU System Enclosure
- › IP55 weatherproof solution for both indoor and outdoor locations
- › Ports for 2mm to 14mm diameter cables
- › K.45 surge protection (field replaceable)

DEPLOYMENT SCENARIOS:

Indoors, outdoors, on walls, in pits or on poles.

KEY FEATURES

- › Gfast 212a profile
- › Full support for ITU G.9701
- › G.fast specification including Amendments 1, 2 & 3
- › 1 x SFP+ cage supports GPON or XGS-PON field installed transceiver
- › 16 x Gfast (ITU G.993.2/G.9701) ports
- › Passive cooling design with a wide temperature range of -20°C to +60°C
- › Deployed in the DSE-1608 DPU System Enclosure which provides:
- › IP55 protection for indoor and outdoor locations
- › K.45 surge protection (field replaceable)
- › Wall mount bracket
- › Weather-proof cable ports for UTP cables and fibre cable
- › Quick and reliable installation

NetComm DPM-1601 16-port Gfast 10G DPM Spec Sheet Sheet Rev 2

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