

8-PORT GFAST 10G DISTRIBUTION POINT UNIT (DPU)

DP080021



Designed to assist operators in maximizing revenue from a **Fiber-to-the-Home (FTTH)** deployment, particularly in scenarios where deploying the final fiber segment is difficult, expensive or impractical. The **NetComm DP080021 8-Port Gfast 10G DPU** acts as a fiber extender for **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 +65°C. Fully sealed waterproof outdoor housing with surge protection provides enhanced reliability even in the toughest conditions.

TECHNICAL SPECIFICATIONS

CONNECTIVITY

- › 1 x XGS-PON (ITU G.9807.1) port with fiber lead
- › 8 x Gfast (G.9701) ports with 1-pair copper lead

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/42W
- › Powered by NDD-03XX Gfast NTD or NDD-01XX RPU
- › **Output:** 60V/250mA max

SAFETY STANDARDS

- › IEC/EN 62368-1 Audio/video, information and communication technology equipment - Part 1: Safety requirements

EMC STANDARDS

- › EN 55032, Class B
- › EN 55035

REGULATORY COMPLIANCE

- › CE
- › FCC
- › RoHS
- › WEEE

DIMENSIONS & WEIGHT

- › 350mm (L) x 300mm (W) x 91mm (D)
- › 6.6kg approx.

ENVIRONMENTAL PERFORMANCE

- › **Operating temperature range:** -20°C to +65°C
- › IP68 rated housing
- › Passively cooled
- › Maintenance free design

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
- › Robust - designed for underground-pit, pole mount and wall-mount installations
- › Passive cooling design with a wide temperature range of -20°C to +65°C
- › K.45 surge protection
- › IP68 rated, industrial grade product that can be installed underground
- › Installation tool and accessories enable easy, quick and reliable installation
- › Magnetic button on front panel allows technicians to re-activate LEDs, reboot DPU or restore factory default settings with a magnetic wand
- › 1 x XGS-PON (ITU G.9807.1) port - outdoor-rated fiber lead with hardened connector
- › 8 x Gfast (G.9701) ports with outdoor-rated copper lead

NetComm DP080021 8-port Gfast 10G DPU Spec Sheet Rev 8

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