



DPU SYSTEM ENCLOSURE (DSE)

DSE-1608

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 DSE-1608 DPU System Enclosure** supports **DPU Modules** (DPMs) that act as fiber extenders 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°C. Fully sealed waterproof outdoor housing with surge protection provides enhanced reliability even in the toughest conditions.

TECHNICAL SPECIFICATIONS

CONNECTIVITY

- › 1 x cable port for 2mm to 5mm fibre uplink cable
- › 2 x cable ports for 5mm to 14mm UTP cables for connection of up to 16 customer services
- › 1 x cable port for 5mm to 8mm AC power cable for optional AC/DC power supply for locally powered DPMs
- › 2 x LSAPlus-compatible punch-down blocks for quick and reliable copper-pair connection

POWER SUPPLY

- › **Input:** 60VDC/70W via Reverse Power Feed (SR2) or 110-240VAC (50-60Hz) / 0.8A

SAFETY STANDARDS

- › IEC/EN 62368-1, Part 1

EMC STANDARDS

- › EN 55032
- › EN 55035

REGULATORY COMPLIANCE

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

DIMENSIONS & WEIGHT

- › 513mm (L) x 496mm (W) x 173mm (D)
- › 9kg

ENVIRONMENTAL PERFORMANCE

- › **Operating temperature range:** -20°C to +60°C
- › Passively cooled
- › IP55
- › IEC 60950-22, IEC 60529
- › Maintenance free design

DEPLOYMENT SCENARIOS:

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

KEY FEATURES

- › IP55 protection for indoor and outdoor locations
- › LSAPlus compatible punch-down blocks for quick and reliable copper-pair connection
- › K.45 surge protection (with field replaceable GDTs)
- › Wall mount bracket for simple and rapid installation
- › Weather-proof cable ports
- › Passive cooling design with a wide temperature range of -20°C to +60°C
- › DPU Module (DPM) can be upgraded or replaced without disturbing any in-place connections
- › Compatible with DPU Modules:
 - › With up to 16 ports
 - › Field installable SFP+ transceivers
 - › Reverse Power Feed (RPF) or Local Power (with accessory AC/DC power supply)

NetComm DSE-1608 System Enclosure Spec Sheet Rev 2

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