



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

Trademarks and registered trademarks are the property of NetComm Wireless Pty Ltd or their respective owners. Specifications are subject to change without notice. Images shown may vary slightly from the actual product.



NETCOMM

HEAD OFFICE | SYDNEY
18-20 Orion Road
Lane Cove NSW 2066 Sydney
Australia | +61 2 9424 2070
www.netcomm.com



DZS

HEADQUARTERS | TEXAS
5700 Tennyson Pkwy
Suite 400 Plano, TX 75024
USA | +1 510 777 7000
www.dzsi.com



NetComm

NetComm Wireless Pty Ltd is a subsidiary of DZS Inc.