DP010011

1-Port Gfast
Distribution Point Unit (DPU)

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 DZS **DP010011 1-Port Gfast DPU** acts as a fiber extender, 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 +70°C. Fully sealed waterproof outdoor housing with surge protection provides enhanced reliability even in the toughest conditions.

Technical Specifications

Connectivity
+ 1 x GPON (ITU G.984) port
+ 1 x Gfast (ITU G.993.2/G.9701) port

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.984 GPON
+ 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)

Regulatory Compliance
+ CE
+ FCC
+ RoHS
+ WEEE

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

Power Supply
+ Powered by NDD-03xx Gfast NTD
+ **Output**: DC 60V/250mA max

Dimensions & Weight
+ 248mm (L) x 150mm (W) x 56mm (H) (incl. mounting flanges)
+ 1.1 kg approx.

Environmental Performance
+ **Operating temperature range**: -20°C to +70°C
+ IP68 rated housing
+ Passively cooled
+ Maintenance free design

Deployment Scenarios:
Where FTTH deployment is blocked to a single home

Key Features

+ Gfast 212a profile
+ Full support for ITU G.9701 G.fast specification including Amendments 1, 2 & 3
+ Robust - designed for indoor and outdoor wall-mount installations
+ Reverse powered (SR2)
+ Passive cooling design with a wide temperature range of -20°C to +70°C

+ IP68 rated, industrial grade product
+ K.45 surge protection
+ Clean appearance and discrete cable management suit deployment in public spaces (e.g. building hallways)
+ 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 magnet wand
+ 1 x GPON (ITU G.984) port
+ 1 x Gfast (ITU G.993.2/G.9701) port

Contact DZS today
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