



# NETWORK TERMINATION DEVICE (NTD)

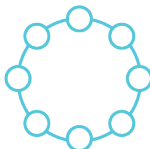
## NDD-0304

The **NetComm FTtdp Network Termination Device (NTD) NDD-0304** is a unique all-in-one solution, designed to power a **Distribution Point Unit (DPU)** in FTtdp deployments and deliver an enhanced Internet experience thanks to an integrated **Gfast** modem supporting gigabit broadband services. Fault and performance monitoring ensure the quality of service, making it easier to identify and fix problems.



### REVERSE POWERING THE DPU

The **NDD-0304** provides power to the **DPU** directly from the customer premises over the copper lead-in cable, simplifying and reducing the cost of FTtdp deployments since the DPU does not require connection to a local power source.



### ALL-IN-ONE SOLUTION FOR A BETTER EXPERIENCE

The **DD-0304-02** features the latest technology to achieve Gigabit service speeds with the integrated **Gfast** modem. The device minimises interoperability challenges and ensures the best user experience without interruptions.



### SIMPLE INSTALLATION

Simply labeled ports and cables, together with an explanatory Quick Start Guide, make self-installation quick and easy for end users, eliminating the need for a technician to visit.



### COMPATIBLE WITH EXISTING GATEWAY DEVICES

The **DD-0304** provides an Ethernet connection allowing a subscriber to continue using a pre-existing gateway device, if present. It also enables operators to use their existing Ethernet-enabled gateway devices as deployed for other access technologies.



### PLUG AND PLAY

Once the **DD-0304** is connected and turned on, the high-speed service is automatically activated, providing a quick and cost-efficient roll-out.

# TECHNICAL SPECIFICATIONS

## DSL PROTOCOLS

- › ITU G.9700 and G.9701, including Amendments 1,2,3 - G.fast supporting profiles 106a/b and 212a

## INTERFACES

- › 1 x RJ45 Gigabit Ethernet port
- › 1 x RJ11 DSL port
- › 1 x Power input port (IEC C8)
- › 1 x Recessed reset button

## LED INDICATORS

- › Power
- › RPF link
- › DSL
- › LAN

## SECURITY

- › Meets general security requirements including:
  - › Isolation of management plane from user data plane
  - › Management traffic encryption
  - › Supports digitally signed and verified firmware downloads

## REMOTE MANAGEMENT

- › BBF TR-069 CPE WAN Management Protocol – Issue 1, Amendment 5
- › BBF TR-181 Device Data Model for TR-069 - Issue 2, Amendment 11
- › Layer-2 fault and performance monitoring based on 802.1ag and Y.1731

## ETHERNET SUPPORT

- › QoS-aware queueing and scheduling

## SAFETY STANDARDS

- › EN 60950 Information technology equipment - Safety – General

## EMC STANDARD

- › EN 55032 Class B

## POWER SUPPLY

- › **Input:** AC 195 – 250V 50Hz/195mA
- › **RPF Output:** DC 60V/250mA

## REVERSE POWERING

- › ETSI TS 101 548 v2.2.1, Class SR2

## REGULATORY COMPLIANCE

- › CE
- › RCM
- › RoHS
- › WEEE
- › MEPS DOE level IV
- › EU Code of Conduct on Energy Consumption of Broadband Equipment – V6

## DIMENSIONS & WEIGHT

- › 183.5 mm (L) x 183.5 mm (W) x 51.2 mm (H)
- › 533 grams

## ENVIRONMENTAL

- › Operating temperature range: 0°C to 45°C

## DEPLOYMENT SCENARIOS:

- › FTTh deployments requiring an alternative to, or backup for, local AC power supply for Distribution Point Units.
- › FTTh deployments with tight roll-out schedules and budgets, demanding an easy to install all-in-one solution that eliminates the need to visit customer premises and cuts installation costs.

## KEY FEATURES

- › Installed in customer premises
- › Powers the FTTh DPU avoiding power supply installation and connection at the distribution point
- › Gfast 212MHz support
- › High-speed Gigabit Ethernet port for connection to a computer, wireless router or gateway device
- › Provides super-fast speeds in a mixed access technology network
- › Labelled ports and cables, and a Quick Start Guide enabling easy installation by the end user
- › LED indicators provide Power, Reverse power feed, DSL link and LAN status information
- › LED indicator cover can be used to hide distracting lights
- › Management traffic encryption
- › Supports digitally signed and verified firmware downloads

### NetComm NDD-0304 NTD Spec Sheet Rev 3

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