

# DTA 1600

Compact, Cost-Effective Gateway for Enterprise-Grade Networks  
w/ MediaTek® 4-Core CPU,  
4 x 1GbE Switch, 1 x 10GbE, 1 x 2.5GbE Port

# NEXCOM



## Main Features

- MediaTek® MT7988A processor, 4-core, 6.3W
- Onboard DDR4, default 4GB
- eMMC 32GB onboard
- 1 x 10GbE SFP+ port
- 1 x 2.5GbE RJ45 port
- 4 x 1GbE RJ45 switch port
- 1 x USB 3.2, Type-A
- TPM 2.0 onboard
- Fanless design

## Product Overview

DTA 1600 is a compact networking appliance powered by the latest-generation MediaTek® MT7988A processor featuring four high-performance Arm Cortex-A73 cores and up to 30K DMIPS compute capability, delivering strong packet processing with excellent power efficiency. It integrates one 10GbE SFP+ port, one 2.5GbE RJ45 port, and four 1GbE RJ45 switch ports to support flexible WAN/LAN deployments, high-speed uplinks, and segmented network designs. Housed in a space-saving desktop form factor, the DTA 1600 is ideal for small offices, retail branches, and edge locations where rack-mounted systems are impractical. The platform can operate as a uCPE for SD-WAN and virtualized network services, serving as a secure branch gateway with firewall capabilities or as a VPN router for network segmentation.

## Specifications

### Processor

- MediaTek® MT7988A ARM Cortex-A73, 6.3W

### System Capabilities

- TPM 2.0
- NEXBOOT® (dual-layer OS failover)

### Memory

- Onboard DDR4, default 4GB

### Storage

- Onboard eMMC 32GB
- Onboard NOR Flash 32MB

### I/O Interface External

- Button: Reset
- Slider switch: NEXBOOT®
- LED: PWR/SYS/BYPASS/CO
- 1 x USB 3.2 port, Type A
- 1 x Console port (RJ45)
- 1 x 10GbE SFP+ port
- 1 x 2.5GbE RJ45 port
- 4 x 1GbE RJ45 switch port

### Power Supply

- DC 12V (36W) input

### Mechanical

- Chassis dimension: 165 mm (W) x 134.5 mm (D) x 34 mm (H)
- Package dimension: 226 mm (W) x 220 mm (D) x 173 mm (H)
- Net weight: 0.58 kg
- Gross weight: 1.34 kg

### Environment

- Ambient with air flow 0.5m/s: 0°C~40°C
- Storage temperature: -20°C~80°C
- Relative humidity: 10%~90% non-condensing

### Certifications

- CE/FCC class B

### Operating System

- OpenWRT 21.02

### Software Development Kit

- OpenWrt SDK

## Ordering Information

### DTA 1600 (P/N: 10TA016000X0)

MediaTek® MT7988A CPU, 4-core, 4 x 1GbE RJ45 switch, 1 x 10GbE SFP+, 1 x 2.5GbE RJ45 port, fanless, 1 x 36W 12V DC-in power adapter