TW760 Appliance Datasheet

Overview

The TCPWave TW760 appliance is the most powerful DDI (DNS/DHCP/IPAM) hardened server offered by TCPWave. The TW760 is based on the industry proven Dell PowerEdge R760. Together, TCPWave and Dell specify, validate, and deliver a platform consisting of TCPWave secure software that allows you to optimally control and future proof your DDI environment.

The TW760 is available as an IP Address Management (IPAM) appliance. As an IPAM appliance, it provides the necessary IPAM software infrastructure, including web-based User Interface, database, secure communication software, disaster recovery, discovery, patch management, cloud management and other critical features, that allows you to define and manage your IPv4 and IPv6 address space (networks, subnets, objects, DNS/DHCP servers, etc.).

The TW760 can be used to manage a relatively simple network on a single appliance or be used in conjunction with other TCPWave appliances to control the largest, most demanding networks.

Features

- TCPWave is the single source for both hardware and software.
- Simplified "rack and stack" installation and turn-up of IPAM/DNS/DHCP services.
- Dual Intel® Xeon® Gold multi-core and multi-threading per core enables simultaneous processing within appliance.
- Green technology saves power during idle states.
- Advanced "Lights Out" management allows administrators to quickly interact with appliance and diagnose any potential hardware issues.
- Hardware repair and replacement by dedicated Dell technicians minimizes downtime.

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Technical Specifications

Feature	Specification
Form Factor	2U Rack-Mountable server
Processors	2 x Intel® Xeon® Gold 5418Y 2G, 16GT/s, 45M Cache, Turbo, HT (185W) DDR5-4400, OEM XL, 24 Cores and 48 Threads per CPU
Software	TW760 platform includes security-hardened 64-bit Linux (based on RHEL7) TCPWave IPAM or TCPWave Remote software (must choose IPAM or Remote)
Memory	192 GB (4800 MT/s Single Rank RDIMMs)
Storage/RAID	4 x 4TB Hot-plug Hard Disks (configured as RAID 10)
Performance/Scalability	The TW760 can manage 10M+ objects (networks, subnets, IP addresses, etc.), 500 Remote DNS/DHCP appliances, and up to 500 simultaneous logged in administrators.
Power Supplies	Dual, Hot-plug, Fault Tolerant Redundant Power Supply (1+1), 800W
Environmental Specifications	ASHRAE Class A2 Continuous Operations (altitude <= 900m) 10°C - 35°C (50°F - 90°F) at 8% to 80% RH with 21°C (69.8°F) maximum dew point
Voltage	Voltage: 100-240 VAC, auto-ranging, 50/60 Hz
Thermal Load	Idle: 212 Watts, 751.4 BTU/Hour; 50% Utilization: 488 Watts, 1665.1 BTU/Hour; 100% Utilization: 566 Watts, 1931.3 BTU/Hour
Lights Out Management	Dell iDRAC9 Enterprise Lights Out Management remote management
Network Connections	10 Gigabit Ethernet NICs 2 SFP28 10/25G Fiber NICs (transceivers included)
External I/O Ports	1 USB 2.0 (Front), 1 USB 2.0 (Back), 1USB 2.0 (Back), 1 iDRAC9 NIC (Back), 2 VGA Display (Front/Back)
Mounting Hardware	Included
Dimensions	Height: 86.8 mm (3.42 in), Width: 482 mm (18.92 in) with rack latches, Depth: 772.1 mm (30.4 in) including bezel and redundant power supply units
Weight	25.8 Kg (56.9 lb)
Hardware Service/Repair	3 Years 7x24 On-Site Service (Worldwide)