

Overview

The TCPWave TW470 appliance is a powerful DDI (DNS/DHCP/IPAM) hardened server based on the rock solid, industry-proven Dell PowerEdge R470XL. Together, TCPWave and Dell specify, validate, and deliver a platform consisting of TCPWave secure software that optimally controls and future proofs your DDI environment.

The TW470 is available in two orderable configurations:

- **IP Address Management (IPAM):** 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, zones, scopes, DNS/DHCP appliances, etc.).
- **Remote:** Provides the secure communication layer along with DNS/DHCP and other network services (NTP, SNMP, resiliency) that are tailored to provide non-stop functionality.

The TW470 can be used to manage a relatively simple network 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.
- Intel® Xeon® multi-core and multi-threading 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.
- Includes 10G/25G Fiber Optical NICs for increased throughput.

Technical Specifications

Feature	Specification
Form Factor	1U Rack-Mountable server
Processor	Intel Xeon 6511P 2.3GHz (4.2GHz Max Turbo), 32GT/s, 72M Cache, Turbo, HT (150W) DDR5-6400, 16 Cores (32 Threads)
Software	TW470 platform includes security-hardened 64-bit Linux (Alma), TCPWave IPAM or TCPWave Remote software
Memory	128 GB (6400MT/s RDIMMs)
Storage/RAID	4 x 2.4TB Hot-Plug Hard Disks (configured as RAID 10)
Performance	DNS: 1,200,000+ (1.2M+) queries per second (QPS). DHCP: 2,900+ leases per second (LPS)
Power Supply	2 x 800W Hot-Plug Redundant Power Supplies
Environmental Specifications	Continuous operations: 10°C to 35°C (50°F to 95°F) at 8% to 80% RH with 21°C (69.8°F) dew point. For additional environmental information, please refer to the Dell R470 Product Environmental Datasheet or contact TCPWave Support.
Voltage	Voltage: 100-240 VAC, auto-ranging, 50/60 Hz
Thermal Load	Idle: 152 Watts, 518 BTU/Hr; 50% CPU: 228 Watts, 778 BTU/Hr; 100% CPU: 318 Watts, 1085 BTU/Hr
Lights Out Management	Dell iDRAC9 Enterprise Lights Out Management remote management
Network Connections	4 Gigabit Ethernet NICs; 2 SFP+ 10G/25G Fiber NICs (with 2 SFP+ TransceiversU
External I/O Ports	1 USB-C (Front), 2 USB 3.0 (Back), 1 iDRAC9 NIC (Back), 1 VGA Display (Back)
Mounting Hardware	Included
Dimensions	Height: 42.8 mm (1.69 in), Width: 482.0 mm (19 in) with rack latches, Depth: 829.44 mm (32.09 in) including bezel and redundant power supply units
Weight	19.1 Kg (42.1 lb)
Hardware Service/Repair	3 or 5 Years of Next Business Day On-Site Service (Worldwide); Additional Years and 4-Hour Mission Critical On-Site Maintenance is also available.