

Overview

The TCPWave TW250 appliance is a small, affordable, yet powerful DDI hardened appliance ideal for remote DNS/DHCP operations. The TW250 hardened server is based on the rock solid, industry-proven Dell PowerEdge R250. 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 TW250 is available in the Remote configuration which provides the secure communication layer along with DNS/DHCP and other network services (NTP, SNMP, resiliency) that are tailored to provide non-stop DNS/DHCP functionality.

An IPAM appliance must also be included to provide the IP Address Management functionality.

The IPAM appliance can be a high-end TW750, mid-range TW450 or a software appliance based on VM running on-prem or in the Cloud.



Features

- TCPWave is the single source for both hardware and software
- Simplified “rack and stack” installation and turn-up of 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 built and sourced in-country by Dell to minimize shipping delays and issues involving customs
- Hardware repair and replacement by dedicated Dell technicians minimizes downtime

Code Example:

Technical Specifications

Feature	Specification
Form Factor	1U Rack-Mountable "Pizza Box" server
Processor	Intel Xeon E-2324G, 3.1GHz, 8M Cache, Turbo, 65W, 4 Cores (4 Threads)
Software	TW250 platform includes security-hardened 64-bit Linux (based on RHEL7). TCPWave Remote DNS/DHCP software
Memory	8 GB (3200MT/s ECC UDIMM)
Storage	1 x 1TB Hot-Plug Hard Disk
Performance	DNS: 75,000 queries per second (QPS). DHCP: 700+ leases per second (LPS)
Power Supply	1 x 450W Cabled Power Supply
Environmental Specifications	Continuous operations: 10°C to 35°C (50°F to 95°F) at 10% to 80% RH with 29°C (84.2°F) dew point. Expanded operations: 5°C to 40°C (40°F to 104°F) at 5% to 85% RH with 29°C (84.2°F) dew point
Voltage	Voltage: 100-240 VAC, auto-ranging, 50/60 Hz (1.4 amps).
Thermal Load	Input Power: 151 watts, 515.2 btu/h; Max Potential Power: 196.4 watts, 670.1 btu/h.
Lights Out Management	Dell iDRAC9 Enterprise Lights Out Management remote management
Network Connections	6 Gigabit Ethernet NICs
External I/O Ports	2 USB 2.0 (Front/Back), 1 USB 3.0 (Back), 1 USB 3.0 (Internal), 1 iDRAC9 NIC (Back), 1 VGA Serial Display Port (Back)
Mounting Hardware	Included
Dimensions	Height: 42.8 mm (1.68 in), Width: 482.0 mm (18.97 in) with rack latches, Depth: 609.2 mm (23.98 in) including bezel and power supply.
Weight	12.2Kg (29.98 lb)
Hardware Service/Repair	3 Years of 7x24 On-Site Service (Worldwide)