

## Overview

The TCPWave TW740 appliance is the most powerful DDI (DNS/DHCP/IPAM) hardened server offered by TCPWave. The TW740 is based on the industry proven Dell PowerEdge R740. 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 TW740 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, DNS/DHCP servers, 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 TW740 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 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.

## Technical Specifications

Feature	Specification
Form Factor	2U Rack-Mountable server
Processors	2 x Intel® Xeon® Gold 6234 3.3G, 10.4GT/s, 24.75M Cache, Turbo, HT (130W) DDR4-2933, OEM XL, 8 Cores and 16 Threads per CPU
Software	TW740 platform includes security-hardened 64-bit Linux (based on RHEL7)  TCPWave IPAM or TCPWave Remote software (must choose IPAM or Remote)
Memory	192 GB (2666MT/s DDR4 DIMMs)
Storage/RAID	4 x 2.4TB Hot-plug Hard Disks (configured as RAID 10)
Performance	DHCP: 2,200+ leases per second (LPS)
Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1), 750W
Environmental Specifications	Continuous operations: 10°C to 35°C (50°F to 95°F) at 10% to 80% RH with 33°C (91°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
Mean Time Between Critical Failure (MTBCF)	120,200 Hours
Voltage	Voltage: 100-240 VAC, auto-ranging, 50/60 Hz
Thermal Load	Idle: 129 Watts, 440 BTU/Hr; 50% CPU: 277 Watts, 945 BTU/Hr; 100% CPU: 403 Watts, 1375 BTU/Hr
Lights Out Management	Dell iDRAC9 Enterprise Lights Out Management remote management
Network Connections	8 Gigabit Ethernet NICs  2 SFP+10G Fiber NICs
External I/O Ports	2 USB 2.0 (Front), 2 USB 3.0 (Back), 1 USB 3.0 (Internal), 1 iDRAC9 NIC (Back), 1 Serial (Back), 2 VGA Display (Front/Back)
Mounting Hardware	Included (plus Cable Management Arm)
Dimensions	Height: 86.8 mm (3.42 in), Width: 482.0 mm (18.98 in) with rack latches, Depth: 751.3 mm (29.58 in) including bezel and redundant power supply units.
Weight	33.1 Kg (73 lb)
Hardware Service/Repair	3 Years 7x24 On-Site Service (Worldwide)