

## 6WIND Virtual Service Router Appliance

*Powered by Dell Technologies*



### Key features

- ▶ From 4x25G to 4x400G ports
- ▶ Intel Xeon 6 from 12 to 48 P-Core
- ▶ Mellanox ConnectX-6/7
- ▶ NEBS 3.0 Compliant
- ▶ 4-Hour Mission Critical

### Support

### Benefits

- ▶ Operational Simplicity
- ▶ Reduced TCO
- ▶ Faster time to value
- ▶ Single point of contact
- ▶ Powered and supported by Dell Technologies

The **6WIND VSR Appliance** is a high-performance, carrier-grade networking platform designed for service providers and enterprises seeking software-defined agility with hardware-grade reliability. Delivered as a **1U or 2U system through Dell Technologies and its authorized partners**, the appliance provides a single point of procurement and support, simplifying deployment and lifecycle management.

### Performance & Flexibility

Available in multiple sizes (S, M, L, XL, XXL), the 6WIND Appliance scales from 4x25G (100G) to 8x25G (200G) port options for the small and medium sizes, and from 2x100G (200G) port options to 4x400G (1.6T) port options for the medium, large extra-large and extra extra-large.

Customers can select **Mellanox ConnectX-6 or 7 NICs** to meet specific performance and feature requirements. The platform is powered by the latest **Intel Xeon 6 P-core** processors, ensuring market-leading throughput and low latency for demanding use cases such as **vBNG, vCGNAT, vFW, vSecGW, dUPF, vBorder Router**, and more.

### Carrier-Grade Design

The 6WIND Appliance is engineered for mission-critical environments with:

- **Dell Mission Critical 4-hour** support, or **Next Business Day** services
- Options for **AC or DC power supplies**
- **NEBS 3.0 compliant versions** available
- **Deployment services** (racking, cabling, network connectivity)

This design provides a **future-proof foundation** for operators looking to modernize broadband, mobile, enterprise, and edge networks without the cost and risk of proprietary hardware.

### Operational Simplicity

With a **single point of contact for purchase, support, and maintenance**, the 6WIND Appliance eliminates integration complexity. It runs the full suite of **6WIND Virtual Service Router (VSR) use cases**, ensuring rapid time-to-market, streamlined operations, and reduced total cost of ownership.

## Available Configurations

T-SHIRT SIZE	CORE	MEMORY	PORT DENSITY
SMALL (S)	12 Cores	16GB	4x10G, 4x25G
MEDIUM (M)	24 Cores	32 GB	8x10G, 8x25G
MEDIUM (M')	24 Cores	32 GB	2x100G
LARGE (L)	32 Cores	64 GB	4x100G
EXTRA LARGE (XL)	48 Cores	128 GB	6x100G, 8x100G
X EXTRA LARGE (XXL)	64 Cores	256 GB	4x400G

### Technical Specifications:

- **Form Factor:** 1U rackmount (PowerEdge R470XL), 2U rackmount (PowerEdge R770)
- **Processors:** Intel® Xeon® 6 Performance (P-core)
- **Memory:** Up to 256 GB DDR5-6400 RDIMM ECC
- **Networking:** Mellanox ConnectX-6 or 7, Intel I350 1G ports
- **Storage:** Dual hot-swappable SSDs (RAID 1)
- **Expansion:** PCIe Gen5, OCP 3.0 slots
- **Power:** Redundant AC (100-240V) and DC (-48V) Titanium PSU options
- **Cooling:** High-efficiency air cooling, hot-swappable fans
- **Regulatory:** NEBS Level 3 certified SKUs available