WNDRVR

Dell Telecom Infrastructure Blocks for Wind River

The simplest, fastest way to deploy a vRAN infrastructure to scale out your network.

Overview

For years, communications service providers (CSPs) have been reading about the journey to cloud-native architectures. Now, Dell Technologies introduces the industry's fastest path to a cloud-based telecom network: Dell Telecom Infrastructure Blocks for Wind River. Co-engineered with Wind River, Telecom Infrastructure Block are pre-integrated, pre-validated, purpose-built packages of hardware and software designed to support specific use cases to help you scale out your network.

Dell Telecom Infrastructure Blocks for Wind River provide a simple, reliable and efficient way for CSPs to build and expand their cloud native network. They deliver foundational building blocks for virtual distributed units (vDUs), virtual centralized units (vCUs) and the site controller management cluster used in Infrastructure Blocks.

Wind River Studio is a cloud-native platform optimized for the development, deployment, operations, and servicing of mission-critical edge systems. It includes commercially supported StarlingX, the open-source project, which is

Factory integrated

WNDRVR Studio
Analytics & Cloud Platform

Controller Nodes

PowerEdge R660 and R760

Worker Nodes

PowerEdge R660 and R760

Regional Data Center
site controller configuration

WNDRVR Studio
Cloud Platform

PowerEdge XR5610

PowerEdge
XR8000 | XR8620T | XR8610T

Cell site configuration
CU / DU

purpose built for cloud native, edge applications. It is optimized for reliability and scalability and easily scales from one-to-many thousands of nodes. Wind River Studio runs on as few as two cores to reduce platform overhead, lower power consumption and reduce hardware requirements. It also offers ultra-low latency to deliver deterministic, tunable performance. It integrates with Dell Telecom Infrastructure Automation software, including Bare Metal Orchestrator, to simplify day one and day two operations by automating deployment and lifecycle management of the cloud stack to reduce time spent deploying and managing the cloud infrastructure.
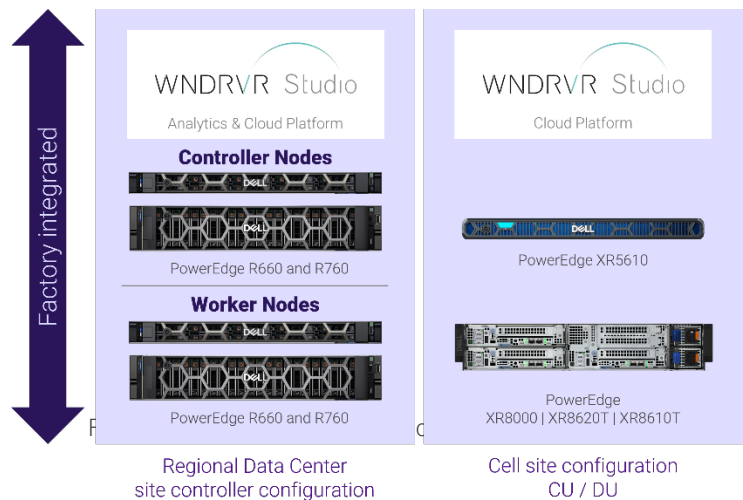
Quick Links to Configuration Options

Cell Site Infrastructure Block Configurations (vCU/vDU)	Controller Node Configurations	Worker Node Configurations
- PowerEdge XR8000 / XR8620t - PowerEdge XR8000 / XR8610t - PowerEdge XR5610 - PowerEdge XR11 - PowerEdge R660 - PowerEdge R760 - PowerEdge R750	- PowerEdge R660 - PowerEdge R760 - PowerEdge R750	- PowerEdge R660 - PowerEdge R760 - PowerEdge R750

Note: Support for PowerEdge R750, PowerEdge R660, and PowerEdge R760 as compute node which can be used for deployment of vCU application.

Note: Telecom Infrastructure Blocks offer a broad range of configuration options for increased flexibility. The following configurations represent the minimum default configuration and additional options are available to support specific workload needs. Please work with your account team to select the best options based on workload and business needs.

Cell Site Infrastructure Blocks (vCU/vDU)

Our Cell Site (vCU/vDU) Telecom Infrastructure Blocks comes with Wind River Studio Cloud Platform factory installed and includes right to use licenses for Wind River Studio, Bare Metal Orchestrator and Bare Metal Orchestrator Modules so you have everything you need to build and scale out your vRAN right out of the box.

Cell Site Configurations

Cell Site Infrastructure Block Configuration (vCU/vDU)		
Using Dell PowerEdge XR8000r chassis with XR8620t compute sled		
Components	**Quantity**	**Description**
Chassis Configuration	1	PowerEdge XR8000r Chassis

Cell Site Infrastructure Block Configuration (vCU/vDU)

Using Dell PowerEdge XR8000r chassis with XR8620t compute sled

Components	Quantity	Description
Power Supply	1	• Dual, Fully Redundant (1+1), Hot-Plug PSU,1800W MM HLAC (ONLY FOR 200-240Vac) Titanium, C16 Connector, RAF
Server Sleds	2	• PowerEdge XR8620t
RAID Configuration	1	• No RAID for NVME chassis
Memory	8	• 32GB RDIMM, 4800MT/s, Dual Rank
Storage	1	• NVMe M.2, PCIE Storage Option with 2x 1.92TB (No RAID)
PCIe Riser	1	• Riser Config 1, 2x16 FHHL + 1x16 FHHL
Embedded System Management	1	• iDRAC9 Datacenter 16G
With 4th Generation Intel® Xeon® Scalable processor (SP MCC)		
CPU	1	• Intel® Xeon® Gold 6421N 1.8G, 32C/64T, 16GT/s, 60M Cache, Turbo, HT (185W) DDR5-4800
NICs	2	• Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, PCIe Full Height
With 4th Generation Intel® Xeon® Scalable processor (EE + WP)		
CPU	1	• Intel® Xeon® Gold 6433N 2G, 32C/64T, 16GT/s, 60M Cache, Turbo, HT (205W) DDR5-4400
NICs	2	• Intel E810-XXVDA4TGG1 Quad Port 10/25GbE SFP28 Precision Timing Adapter with GNSS, PCIe Full Height
Right to use licenses (3 years)	1	• Wind River Studio Cloud Platform • Dell Bare Metal Orchestrator • Dell Bare Metal Orchestrator Modules

Cell Site Infrastructure Block Configuration (vCU/vDU)

Using Dell PowerEdge XR8000r chassis with XR8610t compute sled

Components	Quantity	Description
Chassis Configuration	1	• PowerEdge XR8000r Chassis
Power Supply	1	• Dual, Fully Redundant (1+1), Hot-Plug PSU,1800W MM HLAC (ONLY FOR 200-240Vac) Titanium, C16 Connector, RAF
Server Sleds	2	• PowerEdge XR8610t
RAID Configuration	1	• No RAID for NVME chassis
Memory	8	• 32GB RDIMM, 4800MT/s, Dual Rank
Storage	1	• BOSS-N1 controller card + with 2 M.2 960GB - RAID 1
PCIe Riser	1	• Riser Config 3, 2x16 FHHL Gen5
Embedded System Management	1	• iDRAC9 Datacenter 16G
With 4th Generation Intel® Xeon® Scalable processor (EE)		
CPU	1	• Intel® Xeon® Gold 6433N 2G, 32C/64T, 16GT/s, 60M Cache, Turbo, HT (205W) DDR5-4400
NICs	1	• Intel E810-XXVDA4TGG1 Quad Port 10/25GbE SFP28 Precision Timing Adapter with GNSS, PCIe Full Height
		•
Right to use licenses (3 years)	1	• Wind River Studio Cloud Platform • Dell Bare Metal Orchestrator • Dell Bare Metal Orchestrator Modules

Cell Site Infrastructure Block Configuration (vCU/vDU)

Using Dell PowerEdge XR5610 servers

Components	Quantity	Description
Server	1	• PowerEdge XR5610
RAID Configuration	1	• No RAID with Embedded SATA for SATA HDDs or SATA SSDs (Mixed Drive Types Allowed)
Memory	8	• 32GB RDIMM, 4800MT/s, Dual Rank
Storage	4	• 960GB SSD SATA, 6Gbps, 51 2.5in Hot-plug Drives (3.84 TB Total)
PCIe Riser	1	• Riser Config 3, 2x16 FHHL Gen5
Embedded System Management	1	• iDRAC9 Datacenter 16G
Chassis Configuration	1	• Front Port Access Chassis with up to 4 SATA Drives (Onboard SATA), RAF
With 4th Generation Intel® Xeon® Scalable processor (MCC + SLM)		
CPU	2	• Intel® Xeon® Gold 6421N 1.8G, 32C/64T, 16GT/s, 60M Cache, Turbo, HT (185W) DDR5-4800
NICs	2	• Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, PCIe Full Height
With 4th Generation Intel® Xeon® Scalable processor (EE + WPC)		
CPU	1	• Intel® Xeon® Gold 6433N 2G, 32C/64T, 16GT/s, 60M Cache, Turbo, HT (205W) DDR5-4400
NICs	2	• Intel E810-XXVDA4TGG1 Quad Port 10/25GbE SFP28 Precision Timing Adapter with GNSS, PCIe Full Height
Cables	1	• PowerEdge XR5610 Smart NIC Cable for Intel E810-XXVDA4T
Power	1	• Dual, Fully Redundant (1+1), Hot-Plug PSU,1800W MM HLAC (ONLY FOR 200-240Vac) Titanium, C16 Connector, RAF
Right to use licenses (3 years)	1	• Wind River Studio Cloud Platform • Dell Bare Metal Orchestrator • Dell Bare Metal Orchestrator Modules

Cell Site Infrastructure Block Configuration (vCU/vDU)

Using Dell PowerEdge XR11

Components	Quantity	Description
Server	1	• PowerEdge XR11
CPUs	1	• Intel® Xeon® Gold 6338N 2.2G, 32C/64T, 11.2GT/s, 48M Cache, Turbo, HT (185W) DDR4-2666
Memory	8	• 32GB RDIMM, 3200MT/s, Dual Rank
Storage	4	• 960GB SSD SATA, 6Gbps, 51 2.5in Hot-plug Drives (3.84 TB Total)
NICs	2	• Intel E810-XXVDA4TGG1 Quad Port 10/25GbE SFP28 Precision Timing Adapter with GNSS, PCIe Full Height
Embedded System Management	1	• iDRAC9 Datacenter 15G
With ACC100 Configuration Options (No RAID)		
Chassis Configuration	1	• Front Port Access Chassis with up to 4 SATA drives (Onboard SATA), RAF (No RAID)
PCIe Riser	1	• Front Port Access Riser Config 2, 3 x16 slots (Intel ACC100 LP Only)
GPU/FPGA/ Acceleration Cards	1	• Intel vRAN Accelerator ACC100 Adapter, PCIe Low Profile
RAID Configuration Options (No ACC100)		
Chassis Configuration	1	• Front Port Access Chassis with up to 4 SAS/SATA drives or PERC Controller, RAF
RAID Card	1	• RAID 1, PERC H755 Adapter LP
PCIe Riser	1	• Front Port Access Riser Config 1, 1 x8, 2 x16 slots
Power	1	• Single, Hot-plug, Power Supply (1+0), 1400W, Mixed Mode,L,RAF
Right to use licenses (3 years)	1	• Wind River Studio Cloud Platform • Dell Bare Metal Orchestrator • Dell Bare Metal Orchestrator Modules

RETURN TO CONFIGURATION OVERVIEW TABLE

Cell Site: Compute Configurations

Cell Site Infrastructure Block Compute Configuration (vCU only)		
Using Dell PowerEdge R660		
Components	**Quantity**	**Description**
Server	1	• PowerEdge R660
Chassis Configuration	1	• 2.5" Chassis with up to 10 HDDs (SAS/SATA) including max of 4 Universal Drives, 2 CPU, PERC11
CPUs	2	• Intel® Xeon® Gold 6438N 2G, 32C/64T, 16GT/s, 60M Cache, Turbo, HT (205W) DDR5-4800
Memory	16	• 32GB RDIMM, 4800MT/s, Dual Rank
RAID Configuration	1	• C8, RAID 1 on Front (Matching Type/Speed/Capacity) + Unconfigured RAID (Mixed Drive Types Allowed)
RAID/Internal Storage Controllers	1	• PERC H755 with rear load Brackets
Storage	2	• 960GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive, 3 DWPD
NICs	2	• Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, PCIe Full Height
Embedded System Management	1	• iDRAC9 Datacenter 16G
Power Supply	2	• Dual, Fully Redundant(1+1), Hot-Plug Power Supply,1100W MM(100-240Vac) Titanium
Right to use licenses (3 years)	1	• Wind River Studio Cloud Platform • Dell Bare Metal Orchestrator • Dell Bare Metal Orchestrator Modules

Cell Site Infrastructure Block Compute Configuration (vCU only)		
Using Dell PowerEdge R760		
Components	**Quantity**	**Description**
Server	1	• PowerEdge R760

Cell Site Infrastructure Block Compute Configuration (vCU only)

Using Dell PowerEdge R760

Components	Quantity	Description
Chassis Configuration	1	• 2.5" Chassis up to 24 SAS/SATA Drives including 8 Universal Slots (NVMe Direct), Front PERC 11,2 CPU
CPUs	2	• Intel® Xeon® Gold 6438N 2G, 32C/64T, 16GT/s, 60M Cache, Turbo, HT (205W) DDR5-4800
Memory	16	• 32GB RDIMM, 4800MT/s, Dual Rank
RAID Configuration	1	• RAID 0 for HDDs or SSDs (Matching Type/Speed/Capacity)
RAID/Internal Storage Controllers	1	• Front PERC H755 Rear Load (for 2.5" x24 SAS/SATA chassis)
Storage	2	• 1.92TB SSD SAS, RI, up to 24Gbps 512e 2.5in Hot-Plug, AG Drive
NICs	2	• Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, PCIe Full Height
Embedded System Management	1	• iDRAC9 Datacenter 16G
Power Supply	2	• Dual, Hot-Plug, FR Power Supply, 1100W MM (100-240Vac) Titanium, Redundant (1+1)
Right to use licenses (3 years)	1	• Wind River Studio Cloud Platform • Dell Bare Metal Orchestrator • Dell Bare Metal Orchestrator Modules

Cell Site Infrastructure Block Compute Configuration (vCU only)

Using Dell PowerEdge R750

Components	Quantity	Description
Server	1	• PowerEdge R750
Chassis Configuration	1	• 2.5" Chassis with up to 24 SAS/SATA Drives including 8 Universal Slots (NVMe Direct), 2 CPU
CPUs	2	• Intel® Xeon® Gold 6338N 2.2G, 32C/64T, 11.2GT/s, 48M Cache, Turbo, HT (185W) DDR4-2666
Memory	16	• 32GB RDIMM, 3200MT/s, Dual Rank

Cell Site Infrastructure Block Compute Configuration (vCU only)

Using Dell PowerEdge R750

Components	Quantity	Description
RAID Configuration	1	• RAID 1 on Front (Matching Type/Speed/Capacity) + Unconfigured RAID (Mixed Drive Types Allowed)
RAID/Internal Storage Controllers	1	• Front PERC H755 Rear Load (for 2.5" x24 SAS/SATA chassis)
2nd RAID Container HD		• 1.92TB SSD SAS, RI, up to 24Gbps 512e 2.5in Hot-Plug, AG Drive
Storage	2 4	• 960GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive, 3 DWPD • 3.84TB SSD SAS RI 24Gbps 512e 2.5in Hot-Plug, AG Drive 1DWPD
NICs	2	• Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, PCIe Full Height
Embedded System Management	1	• iDRAC9 Datacenter 16G
Power Supply	2	• Dual, Hot-Plug, Fully Redundant Power Supply (1+1), 1400W, Mixed Mode
Right to use licenses (3 years)	1	• Wind River Studio Cloud Platform • Dell Bare Metal Orchestrator • Dell Bare Metal Orchestrator Modules

Site Controller Infrastructure Blocks

There are two types of Site Controller Infrastructure Blocks: Worker Nodes and Controller Nodes. Each Site Controller requires one (1) Worker Node and two (2) Controller Nodes. Site Controller Infrastructure Blocks are based on PowerEdge R760 and / or R750 servers. They include right to use licenses for Wind River Studio, Bare Metal Orchestrator and Bare Metal Orchestrator Modules to simplify scaling your system.

Site Controllers can scale up as your network grows simply by adding more storage capacity to the Controller Nodes.

Site Controller: Controller Configurations

Site Controller Infrastructure Block: Controller Node Configuration		
Using Dell PowerEdge R660		
Components	**Quantity**	**Description**
Server	1	• PowerEdge R660
Chassis Configuration	1	• 2.5" Chassis with up to 10 HDDs (SAS/SATA) including max of 4 Universal Drives, 2 CPU, PERC11
CPUs	2	• Intel® Xeon® Gold 6438N 2G, 32C/64T, 16GT/s, 60M Cache, Turbo, HT (205W) DDR5-4800
Memory	16	• 32GB RDIMM, 4800MT/s, Dual Rank
RAID Configuration	1	• RAID 1 on Front (Matching Type/Speed/Capacity) + Unconfigured RAID (Mixed Drive Types Allowed)
RAID/Internal Storage Controllers	1	• PERC H755 with rear load Brackets
Storage	2 4	• 960GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive, 3 DWPD • 3.84TB SSD SAS RI 24Gbps 512e 2.5in Hot-Plug, AG Drive 1DWPD
NICs	2	• Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, PCIe Full Height
Embedded System Management	1	• iDRAC9 Datacenter 16G
Power Supply	1	• Dual, Fully Redundant(1+1), Hot-Plug Power Supply,1100W MM(100-240Vac) Titanium
Right to use licenses (3 years)	1	• Wind River Studio Cloud Platform • Dell Bare Metal Orchestrator • Dell Bare Metal Orchestrator Modules

Site Controller Infrastructure Block: Controller Node Configuration		
Using Dell PowerEdge R760		
Components	**Quantity**	**Description**
Server	1	• PowerEdge R760

Site Controller Infrastructure Block: Controller Node Configuration

Using Dell PowerEdge R760

Components	Quantity	Description
Chassis Configuration	1	• 2.5" Chassis up to 24 SAS/SATA Drives including 8 Universal Slots (NVMe Direct), Front PERC 11,2 CPU
CPUs	2	• Intel® Xeon® Gold 6438N 2G, 32C/64T, 16GT/s, 60M Cache, Turbo, HT (205W) DDR5-4800
Memory	16	• 32GB RDIMM, 4800MT/s, Dual Rank
RAID Configuration	1	• RAID 1 on Front (Matching Type/Speed/Capacity) + Unconfigured RAID (Mixed Drive Types Allowed)
RAID/Internal Storage Controllers	1	• Front PERC H755 Rear Load (for 2.5" x24 SAS/SATA chassis)
Storage	4	• 3.84TB SSD SAS RI 24Gbps 512e 2.5in Hot-Plug, AG Drive 1DWPD
NICs	2	• Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, PCIe Full Height
Embedded System Management	1	• iDRAC9 Datacenter 16G
Power Supply	2	• Dual, Hot-Plug, FR Power Supply, 1100W MM (100-240Vac) Titanium, Redundant (1+1)
Right to use licenses (3 years)	1	• Wind River Studio Cloud Platform • Dell Bare Metal Orchestrator • Dell Bare Metal Orchestrator Modules

Site Controller Infrastructure Block: Controller Node Configuration

Using Dell PowerEdge R750

Components	Quantity	Description
Server	1	• PowerEdge R750
CPUs	2	• Intel® Xeon® Gold 6338N 2.2G, 32C/64T, 11.2GT/s, 48M Cache, Turbo, HT (185W) DDR4-2666
Memory	16	• 32GB RDIMM, 3200MT/s, Dual Rank

Site Controller Infrastructure Block: Controller Node Configuration

Using Dell PowerEdge R750

Components	Quantity	Description
Only SSDs RAID 1+Unconfigured RAID[1]		
Storage	2	• 960GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive, 3 DWPD
	4	• 2nd RAID Container: 3.84TB SSD SAS Read Intensive 12Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD
Chassis Configurations	1	• SSDs RAID 1+Unconf: 2.5" Chassis with up to 24 SAS/SATA Drives including 8 Universal Slots (NVMe Direct), 2 CPU
SSDs RAID 1 + NVMe Direct		
Storage	2	• 960GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive, 3 DWPD
	4	• PCIe SSD/Flex Bay: 3.84TB Enterprise NVMe Read Intensive AG Drive U.2 Gen4 with carrier
Chassis Configuration	1	• 2.5" Chassis with up to 24 SAS/SATA Drives including 8 Universal Slots (NVMe Direct), 2 CPU
NICs	2	• Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, PCIe Full Height
Embedded System Management	1	• iDRAC9 Datacenter 15G with OpenManage Enterprise Advance Plus
Power	2	• Redundant, 1400W power supplies
Right to use licenses (3 years)	1	• Wind River Studio Cloud Platform • Dell Bare Metal Orchestrator • Dell Bare Metal Orchestrator Modules

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[1] The SAS disks will not have the RAID configured.

Site Controller: Worker Configurations

Site Controller Infrastructure Block: Worker Node Configuration		
Using Dell PowerEdge R660		
Components	**Quantity**	**Description**
Server	1	• PowerEdge R660
Chassis Configuration	1	• 2.5" Chassis up to 24 SAS/SATA Drives including 8 Universal Slots (NVMe Direct), Front PERC 11,2 CPU
CPUs	2	• Intel® Xeon® Gold 6438N 2G, 32C/64T, 16GT/s, 60M Cache, Turbo, HT (205W) DDR5-4800
Memory	16	• 32GB RDIMM, 4800MT/s, Dual Rank
RAID Configuration	1	• RAID 1 for 2 HDDs or SSDs (Matching Type/Speed/Capacity)
RAID/Internal Storage Controllers	1	• Front PERC H755 Rear Load (for 2.5" x24 SAS/SATA chassis)
Storage	2	• 960GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive, 3 DWPD
NICs	2	• Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, PCIe Full Height
Embedded System Management	1	• iDRAC9 Datacenter 16G
PCIe Riser	1	• Riser Config 3, Full Height, 2x16 FH Slots (Gen5)
Power Supply	1	• Dual, Fully Redundant(1+1), Hot-Plug Power Supply,1100W MM(100-240Vac) Titanium
Right to use licenses (3 years)	1	• Wind River Studio Cloud Platform • Dell Bare Metal Orchestrator • Dell Bare Metal Orchestrator Modules

Site Controller Infrastructure Block: Worker Node Configuration		
Using Dell PowerEdge R760		
Components	**Quantity**	**Description**
Server	1	• PowerEdge R760
Chassis Configuration	1	• 2.5" Chassis up to 24 SAS/SATA Drives including 8 Universal Slots (NVMe Direct), Front PERC 11,2 CPU

Site Controller Infrastructure Block: Worker Node Configuration

Using Dell PowerEdge R760

Components	Quantity	Description
CPUs	2	• Intel® Xeon® Gold 6438N 2G, 32C/64T, 16GT/s, 60M Cache, Turbo, HT (205W) DDR5-4800
Memory	16	• 32GB RDIMM, 4800MT/s, Dual Rank
RAID Configuration	1	• RAID 1 for 2 HDDs or SSDs (Matching Type/Speed/Capacity)
RAID/Internal Storage Controllers	1	• Front PERC H755 Rear Load (for 2.5" x24 SAS/SATA chassis)
Storage	2	• 960GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive, 3 DWPD
NICs	2	• Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, PCIe Full Height
Embedded System Management	1	• iDRAC9 Datacenter 16G
PCIe Riser	1	• Riser Config 3, Half Length, 2x8 FH Slots (Gen4), 2x16 FH Slots (Gen5), 2x16 LP Slots (Gen4)
Power Supply	1	• Dual, Hot-Plug, FR Power Supply, 1100W MM (100-240Vac) Titanium, Redundant (1+1)
Right to use licenses (3 years)	1	• Wind River Studio Cloud Platform • Dell Bare Metal Orchestrator • Dell Bare Metal Orchestrator Modules

Site Controller Infrastructure Block: Worker Node Configuration

Using Dell PowerEdge R750

Components	Quantity	Description
Server	1	• PowerEdge R750
CPUs	2	• Intel® Xeon® Gold 6338N 2.2G, 32C/64T, 11.2GT/s, 48M Cache, Turbo, HT (185W) DDR4-2666
Memory	16	• 32GB RDIMM, 3200MT/s, Dual Rank

Site Controller Infrastructure Block: Worker Node Configuration		
Using Dell PowerEdge R750		
Components	**Quantity**	**Description**
Memory	16	• 32GB RDIMM, 3200MT/s, Dual Rank
SSDs RAID 1		
Storage	2	• 960GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive, 3 DWPD
Chassis Configuration	1	• 2.5" Chassis with up to 24 SAS/SATA Drives including 8 Universal Slots (NVMe Direct), 2 CPU
NICs	2	• Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, PCIe Full Height
Embedded System Management	1	• iDRAC9 Datacenter 15G
PCIe Riser	1	• Riser Config 2, Half Length, 4x16, 2x8 slots, SW GPU Capable
Power	1	• Dual, Hot-Plug, Fully Redundant Power Supply (1+1), 1400W, Mixed Mode
Right to use licenses (3 years)	1	• Wind River Studio Cloud Platform • Dell Bare Metal Orchestrator • Dell Bare Metal Orchestrator Modules

Dell Support

Dell Technologies offers a range of services and support options to support Day 0 through Day 2 operations.

While Dell Telecom Infrastructure Blocks provide an engineered system that is ready for deployment out of the box, some operators may require custom configurations to meet specific outcomes. Dell ProDeploy for Telecom Networks enables you to quickly operationalize critical network infrastructure with agility and scale. During Day 0 operations, Dell Services can work with you to develop optimized designs through custom intake that outlines requirements, collaborate in workshops to define outcomes, and fine-tune designs for peak performance, scalability, and cost-effectiveness. Dell Services can also support Day 1 operations by providing tailored integration services from onsite racking and stacking of hardware and network integration, to remote installation and support, to network design and validation. This allows operators to deploy at any scale anywhere in their network. Dell Services can also deliver custom configurations direct from Dell factories to streamline operator processes to meet unique requirements.

Every Telecom Infrastructure Block is backed by one call support for the entire hardware and software stack. This eliminates the need for you to determine if it's a hardware or software issue, you just call Dell. And, with Dell's carrier grade support, operators receive guaranteed response times of under 15 minutes and guaranteed service restoration times under four hours.*

We are open to innovation

Dell Technologies is committed to open telecom solutions, from OpenStack and Kubernetes to O-RAN. Dell Infrastructure Blocks with Wind River allow CSPs to quickly deploy, easily manage, and seamlessly scale virtual and O-RAN solutions while driving cost and complexity out of the network.

Dell Technologies supports each of our Infrastructure Blocks across the entire stack to eliminate finger-pointing between vendors. There is one trusted source for procurement, deployment, and lifecycle management—backed by a global supply chain and a world-class team of telecom service professionals. When it comes to building telecom clouds, nothing else stacks up to Dell Telecom Infrastructure Blocks for Wind River.

* Availability and terms of Dell Technologies services vary by region and by product. For more information.

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