

VEP4600 Ordering Guide



Dell EMC Networking
Version 11
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Introduction

This document provides guidance on how to place orders for the VEP4600 (Virtual Edge Platform 4600). It also includes instructions on ordering software or accessories for this product.

The VEP4600 is offered with fixed configuration SKU, with either ESXI or Versa loaded. Versa is the supported SD-WAN application, and ESXI is a popular virtualization layer. The VEP4600 is also certified to run ADVA virtualization, As a universal customer premise equipment (uCPE) that is ideal for hosting SD-WAN and other VNFs (Virtual Network Functions) like routing, firewall or deep-packet inspection. It offers hosted virtualized network functionality, with applicability for the service provider (SP) Edge and enterprise branches. The VEP4600 has a 1U rack form factor with the latest Intel® Xeon® D-2100 x86-based processor which is optimized for networking.

More product information for the VEP4600 can be found at the following sites:

- [Public information](#)
- [Powerpoint slides for customer meetings](#)
- [Spec Sheet](#)
- [Source Book](#)
- [Battlecard](#)

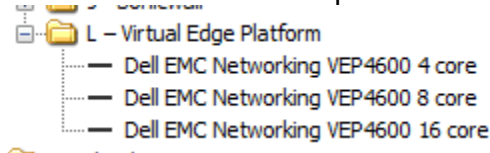
Ordering Instructions

At time of original RTS, all VEP4600s were offered with only the diagnostic operating system installed at the factory. However, now all new systems built at the factory are being pre-loaded with either VMware's ESXi or VersaOS.

For customers that would like a different software platform pre-installed, please set up a Custom Configuration Services project as detailed in the Appendix. The same is true for any modifications to the base SKU, such as adding SSD, memory or power supplies.

Finding VEP4600 in the Americas ordering tools

- In Dellstar browse for the product in the Networking section





- In DSA / OSC search for VEP4600 or look for it under Networking / Access Platforms

Search





Product List

Description
Dell EMC Networking VEP4600 16 core - [Amer_VEP4600_16_core_12907]
Dell EMC Networking VEP4600 8 core - [Amer_VEP4600_8_core_12906]
Dell EMC Networking VEP4600 4 core - [Amer_VEP4600_4_core_12905]





- ✓ 4 core platform has 1 SKU
 - No integrated QAT.
 - 1 PSU with a 2nd optional redundant, hot swappable PSU
 - 4 Hot swappable, redundant fans
 - [210-APGJ](#) has 16GB of memory and 128GB SSD with ESXi installed

 *Dell EMC Virtual Edge Platform 4600, 4 core	---[G49MHOD] Dell EMC Virtual Edge Platform 4600, 4 core,16GB,Non-QAT, 2x10GbE SFP+, 4x1GbaseT
Item(Incremental margin/price)	
 [G49MHOD] Dell EMC Virtual Edge Platform 4600, 4 core,16GB,Non-QAT, 2x10GbE SFP+, 4x1GbaseT	

- ✓ 8 core platform has 3 SKUs
 - Integrated QAT
 - 1 PSU with a 2nd optional redundant, hot swappable PSU or 2 PSUs (for the Versa SKU), depending on the configuration
 - 4 Hot swappable, redundant fans
 - [210-APGT](#) has 16G of memory, 240GB SSD, 1 PSU, either ESXi factory installed
 - [210-APGU](#) has 32G of memory, 960GB SSD, 1 PSU, either ESXi factory installed
 - [210-ATWN](#) has 64G of memory, 240GB SSD, 2 PSUs, and VersaOS factory installed

 *Dell EMC Virtual Edge Platform 4600, 8 core	---[G35RLWJ] VEP4600, 8c, 64GB, 240GB SSD QAT, 2x10GE, SFP+, 4x1GbaseT,Dual PSU
Item(Incremental margin/price)	
 [G1M8O52] VEP4600, 8 core 16GB, 240GB SSD QAT, 2x10GE, SFP+, 4x1GbaseT, Single PSU	
 [GPL2E6J] VEP4600, 8 core 32GB, 960GB SSD QAT, 2x10GE, SFP+, 4x1GbaseT, Single PSU	
 [G35RLWJ] VEP4600, 8c, 64GB, 240GB SSD QAT, 2x10GE, SFP+, 4x1GbaseT,Dual PSU	

- ✓ 16 core platform has 3 SKUs
 - Integrated QAT
 - 2 redundant, hot swappable PSUs (order 2 power cords)
 - 5 Hot swappable, redundant fans
 - [210-APGV](#) has 32G of memory. 240GB SSD, either ESXi factory installed
 - [210-APGW](#) has 64G of memory, 960GB SSD, either ESXi factory installed
 - [210-ATWM](#) has 64G of memory, 960GB SSD, Intel x710 rNDC card, and VersaOS factory installed

 *Dell EMC Virtual Edge Platform 4600, 16 core	---[G15MHLG] VEP4600, 16core, 64GB, 960GB SSD QAT, 6x10GE, SFP+, 4x1GbaseT, Dual PSU
Item(Incremental margin/price)	
 [G1EMQTR] VEP4600, 16 core 32GB, 240GB SSD QAT, 2x10GE, SFP+, 4x1GbaseT, Dual PSU	
 [GXU3QYB] VEP4600, 16 core 64GB, 960GB SSD QAT, 2x10GE, SFP+, 4x1GbaseT, Dual PSU	
 [G15MHLG] VEP4600, 16core, 64GB, 960GB SSD QAT, 6x10GE, SFP+, 4x1GbaseT, Dual PSU	

The following TAA specific SKU are available for the Federal teams to order

Find the new models in the new GOV order codes in Dellstar

GOV - Dell EMC Networking VEP4600 8 core – [Amer_ VEP4600_8_core_ 12906]

GOV - Dell EMC Networking VEP4600 16 core – [Amer_ VEP4600_16_core_ 12907]

SKU New TAA Compliant Models available in FED only

210-AXED VEP4600-V910, Versa, 8c, 64GB, 240GB SSD, QAT, 2xPSU

210-AXEE VEP4600, 16c, ESXi, 64GB, 960GB SSD, QAT, 2x10GE SFP+, 4x1GbaseT, Dual PSU

210-AXEF VEP4600, 8 core, ESXi, 32GB, 960GB SSD, QAT, 2x10GE, SFP+, 4x1GbaseT, 1 PSU

210-AXEG VEP4600-V930, 16c, Versa, 64GB, 1TB SSD, QAT, 2xPSU, 4x10G rNDC

Ordering a system with the VersaOS software platform installed

Selecting the SKU with the VersaOS preinstalled does not imply that a Versa license will be included with the unit. The customer must order the license from EI or work directly with Versa Networks to obtain the appropriate licensing .

- If the customer wants to purchase the license through Dell EMC, please send an email to versa@ dell.com to include an EI license SKU with this order.
- In order for your customers to be enabled for the Versa orchestrator, you must quote one of the SKUs with the VersaOS pre-installed ([210-ATWN](#) or [210-ATWM](#)) and also select the below Versa SKU/Option Code within Module 1650
 - SKU# [634-BUOU](#) – Versa OS, buy license separately – Option Code GCWJYDV – Module ID 1650

VEP4600 Expansion Cards

NOTE: Customer should not open the unit as it will void the warranty

Ordering process

The process for ordering expansion card Cust Kits for the VEP4600 differs based on the situation as described below. Also please note that all expansion card requests must include GCS project for installation via a 2T facility or a custom deployment project for onsite installation.

1. Customer owns the VEP4600 and wants to install Expansion Cards, ***engage with services to arrange for a custom deployment project for a Dell Technician to install the cards at your customer site.***
 - Create a Support Request for “Custom Service Support” in SFDC for a Custom Deployment Statement of Work (SOW) - See screenshots in section below
 - Add the Custom SOW SKUs to the customer kit order (cust kit order will include Carrier SKU and rNDC SKU)
 - Customer should expect a call from the deployment project manager to schedule installation
2. At point of sale with the VEP4600, ***create Config Services project to have the cards installed Global Config Services before shipping (for regions with Config Services enabled) or request a custom deployment project as described above***
 - Create GCS (Global Config Services) project, by creating a Support Request for “Custom Service Support” in SFDC or contact your assigned GCS Project Manager – See screenshots in section below
 - Talk to GCS about installing customer SW image (when & where available)
 - GCS Project Manager will respond with GCS ordering instructions
 - Add the GCS Project ID and Expansion Card Cust SKUs (Carrier SKU and rNDC SKU) to the VEP4600 order
 - GCS ordering instructions differ based on location.
 - US Config Services available as of Q4FY19. Canada Config Services available as of Q2FY20
 - For Mexico, LATAM, EMEA, APJ, send everyone to Custom Deployment Project

Expansion Card SKU Details

There are rNDC expansion cards available for the VEP4600. Ordering rNDC expansion card, including one Carrier Card per rNDC.

- rNDC Carrier Card
 - SKU# [555-BESC](#) for EMEA1 and NA
 - SKU# [555-BESX](#) for EMEA2 and APJ
- Order one of the below validated rNDC cards for the VEP4600
 - SKU# [540-BBHF](#) - Intel I350 4x 1Gb Ethernet, Network Daughter Card
 - SKU# [540-BBHJ](#) - Intel X520 2x 10Gb DA/SFP+, + I350 2x 1Gb Ethernet, Network Daughter Card

- SKU# [555-BCKM](#) - Intel X710 2x 10Gb DA/SFP+, + I350 2x 1Gb Ethernet, Network Daughter Card
- SKU# [555-BCKL](#) - Intel X710 4x 10Gb DA/SFP+ Ethernet, Network Daughter Card -

Accessories

Use DACs and AOCs for more cost effective connection options. Find DACs and AOCs in module 1626 or the customer kits list.

NOTE: The Dell Networking Optics and Cables Interop Matrix provides the most up-to-date data for SFP optics support. To access the Dell Networking Optics and Interop Matrix, go to https://www.dellemc.com/resources/en-us/auth/asset/quick-reference-guides/products/networking/Dell_Networking_Optics_and_Cables_Interop_Matrix.xlsx.

The [Support Matrix](#) provides a listing of the SFP pluggable that has been validated for recognition and readability

Specific SFP Guidance for Versa Application

Versa validated a set of SFPs for the VEP4600 platform. Please refer the to Versa VEP Optics document for more details information.

VEP4600 Fixed Ports

The accessories listed below have only been validated for the ports on the VEP4600 itself (fixed ports) and not the rNDC card ports.

CABLES				
PH2A57P NTWK,PRPHL,CBL,AZUL,VEP4600				
Dell Model #	Dell PN	MOD	CUS	CUS KIT SKU
DAC-SFP-10G-0.5M	C6Y7M	Y5G1W	V4CD8	470-AAVK
DAC-SFP-10G-1M	V250M	FDX5D	Y5DFK	470-AAVH 470-ABJF 470-ABVU
DAC-SFP-10G-2M	5CWK6	P3XKH	4D6W8	470-ABPS
DAC-SFP-10G-3M	53HVN	MXRHX	4WM8D	470-AAVJ 470-ABJD 470-ABVX
DAC-SFP-10G-5M	358VV	7DJ94	F7HJM	470-AAVG 470-ABJE 470-ABWD
DAC-SFP-10G-7M	MV799	RFR0V	V3R4J	470-AAVI
AOC-SFP-10G-2M	YJF03	9KCMD	929G9	470-ABLV
AOC-SFP-10G-3M	P9GND	RKJ7H	NG56H	470-ABLZ
AOC-SFP-10G-5M	T1KCN	P8VXY	1W5YV	470-ABLT
AOC-SFP-10G-7M	1DXKP	65KM4	JW4R3	470-ABML
AOC-SFP-10G-10M	MT7R2	HP33R	Y7KM4	470-ABLU
AOC-SFP-10G-15M	K0T7R	C65GY	2J7CY	470-ABMD
AOC-SFP-10G-20M	W5G04	7C60X	XHT77	470-ABMJ

CBL-LC-LC-OM4-1M	15J90	97JT5	DC1NW	470-ACLV
CBL-LC-LC-OM4-2M	2JGDR	VKCPJ	MDCXJ	470-ACLT
CBL-LC-LC-OM4-3M	38VG1	82J56	W9M3K	470-ACMO
CBL-LC-LC-OM4-5M	5J55V	06Y2C	G88RG	470-ACLY
CBL-LC-LC-OM4-10M	NDFDN	7YMN4	JH6K2	470-ACMN
CBL-LC-LC-OM4-30M	PGJT0	RRV10	TJM1R	470-ACLM
CBL-LC-LC-OM4-50M	VY3MW	YD5VF	N6YKT	470-ACML
CBL-LC-LC-OM4-100M	XJ9C3	M0HYD	6V02W	470-ACLO

Customer Kits

All the following kits can be found in the Cust Kit Selector Tool

http://ausdwmtgap01.aus.amer.dell.com/Cust_Kit_Selector/main.aspx

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SSD Cust Kits

SKU	Region	Description
400-BCFZ 400-BHUY	(AMER/EMEA1) (APJ/EMEA2)	KIT,SSDR,FRU,128GB,SATA,M2
400-BCZE 400-BHUW	(AMER/EMEA1) (APJ/EMEA2)	KIT,SSDR,FRU,240GB,SATA,M2
400-BHTE 400-BHUX	(AMER/EMEA1) (APJ/EMEA2)	KIT,SSDR,FRU,1TB,SATA,M2

Memory Cust kits

DIMM size	DIMM p/n	Server CUS SKU
8GB, 3200 speed	6VDNY	370-AEXX
16GB, 3200 speed	M04W6	370-AEXY
32GB, 3200 speed	75X1V	370-AEXZ

Power Supply

When ordering the customer kits, be sure to order the appropriate quantity of kits for the specific VEP4600 configuration:

- All VEP4600 4 core configurations include 1 PSU and will need 1 Cus Kit
- All VEP4600 16 core configurations included 2 PSUs and will need 2 Cus Kits
- VEP4600 8 core configurations with ESXi preinstalled include 1 PSU and will need 1 cus kit
- VEP4600 8 core configurations with Versa preinstalled include 2 PSUs and will need 2 cus kits

AC Power Supply

Dell SKU	Description	Country
450-AHFI	Power Supply, 495W, NRDNT, DELTA, Customer Kit	Global

DC power supply

Dell SKU	Description	Country
450-AFLT	Power Supply, DC, 1100W, IO to PSU airflow, for select Switches, Customer Kit	US & Canada only

Rack mounting kits

Dell SKU	Description
770-BCGL	2 Post Rack mount kit for select 1RU Dell Networking switches. Currently mid-mount. Included in box
770-BCGP	Adjustable 4 post mounting bracket for select 1U networking switches, Customer Kit. Can be ordered as additional item

The VEP4600 includes a two post mid-mount kit in the box. This requires rails in the rack to be available at the mid point (depth-wise) of the rack for proper mounting. If the customer does not have mid-mount rails and only flush mount, 4-post flush-mount (front-mount) kit: 770-BCGP must be ordered. This 4 post kit can be used on racks with 4 posts. This kit can also be used on 2 post flush mount racks by discarding the rear mounts in the kit.

Power cords

The attached accessories spreadsheets identifies SKUs for all VEP4600 power cords. Note these are not VEP specific, they are the same power cords used across all of Dell Networking:



Edge3x00-6x0-Acces
sory.xlsx

Support Services

There are Basic Support options listed in the quoting tool. It is recommended to sell ProSupport as a minimum regardless on every platform. For Professional services guidance contact Mohnish_Anumala@dell.com

Availability by Country

VEP4600 Availability by Country – incl. rNDC Carrier Cards

Americas

Antigua & Barbuda**	Mexico
Argentina	Nicaragua
Aruba**	Panama
Bahamas**	Paraguay
Barbados	Peru
Bermuda	Puerto Rico (USA)
Bolivia	Suriname**
Brazil	Trinidad & Tobago
British Virgin Islands**	United States
Canada	US Virgin Islands**
Cayman Islands**	Uruguay
Chile	Venezuela
Colombia	
Costa Rica	
Dominica**	
Dominican Republic	
Ecuador	
El Salvador	
Grenada**	
Guatemala	
Guyana**	
Honduras	
Jamaica	

APJ

Australia
Bangladesh
Brunei Darussaleem
China*
Hong Kong
India
Indonesia
Japan
Korea, Republic of
Macau
Malaysia
New Zealand
Pakistan**
Philippines
Singapore
Sri Lanka
Taiwan
Thailand
Vietnam

EMEA

Algeria	Kuwait
Angola	Latvia
Austria	Libya
Azerbaijan	Lithuania
Bahrain	Luxembourg
Belarus	Morocco
Belgium	Mozambique
Botswana	Namibia
Bulgaria	Netherlands
Cote d'Ivoire	Nigeria
Croatia	Norway
Czech Republic	Oman
Denmark	Poland
Egypt	Portugal
Estonia	Qatar
Ethiopia	Romania
Finland	Russia
France	Saudi Arabia
Germany	Serbia
Ghana	Slovakia
Gibraltar	Slovenia
Greece	South Africa
Holy See (Vatican City)	Spain
Hungary	Sweden
Iceland	Switzerland
Iraq	Tanzania
Ireland	Tunisia
Israel	Turkey
Italy	Ukraine – Versa Config Only
Jordan	Uganda
Kazakhstan	United Arab Emirates
Kenya	United Kingdom

restricted - confidential

** RMA via support hub is on commercially reasonable basis, approx. 5 business days

Ordering ROBO Licenses for ESXi

Non ROBO ESXi licenses provide for a defined number of VMs on a specific piece of hardware, tied to a specific service tag for support. These are typically too expensive on a per node basis for the universal CPE deployment model that is popular for the VEP products. In the universal CPE deployment model a small number of VMs, perhaps three or four is all that is required on each VEP. ROBO licenses are ideal for this use case, as they enable the customer to buy the total number of VM licenses required for the entire deployment and spread those out as needed to each VEP platform.

Quoting Guidance

An ordering guide specific to the non-tied SKU is available on the VEP Knowledge base at <https://www.delltechnologies.com/resources/en-us/auth/products/networking/networking-edge-solutions/virtual-edge-platform-ucpe-device.htm#> "Dell VMware OEM products" in the Additional Resources section. This document has region specific guidance for where to find the orderable SKU.

Resources

- The following link takes you to a document defining the support for these ROBO licenses https://dellservices.lightning.force.com/lightning/r/Lightning_Knowledge__kav/ka02R000000bu96QAA/view
- For pre and post sales questions, please visit the resources defined in the following link: <https://inside.dell.com/docs/DOC-388972>

Contacts

- For product-related questions, contact Microsoft Teams channel "V-Team uCPE"

Reference Information

VEP4600 Collateral

[VEP4600 Ordering Guide](#)

[VEP 4600 Sourcebook](#)

[VEP4600 Spec Sheet](#)

[VEP4600 Customer Presentation 020718](#)

[VEP4600 FAQ 021418](#)

[VEP4600 Analyst Deck-v6 020118](#)

[VEP4600 Country Enablement](#)

Contacts

For part number, DellStar & OSC assistance, and Technical Questions:

- [Main Contact Page](#)
- [Chat](#)
- [Networking 411/911 Archive](#)

Appendix

Global Config Services (GCS) has been enabled to customize the VEP platforms in NAMER, EMEA and APJ, and use of Dell's GCS organization rather than outside companies is encouraged due to the additional training that they've received for the VEP platforms.

When customers need Dell to install custom hardware, such as expansion cards, or a custom image, follow the instructions below (based on the region) to get your projects set up.

- **GCS North America Intakes**

- For a new non-OEM project, requests are submitted via SFDC "Custom solution engagement request"



Submitting a
Custom Solutions En

When filling out the Custom Solutions Engagement request form, in the text field for "Scope Details / Other Comments" be sure to specify that you are requesting "Configuration Services" to ensure that the request is routed to the appropriate team that supports VEP product customizations. Services also has a SABA training class on how to engage Custom Services: <https://inside.dell.com/groups/custom-solutions-engagement-tool>.

- For a new OEM project, request are submitted via SFDC "OEM Customized Solution Support"



Amer Training New
Support request Toc

- **GCS EMEA Intakes**

- New project requests for EMEA only customers
 - Normally sales will engage their sales team's assigned GCP (Global Customer Program) PM or in-country Config Services PM
- New project requests for Global customers / global rollout (for customers looking for solution across multiple regions):
 - No intake process from sales. Lead region PM will send project request to regional PMs thru either Global Tracker or GDMS (Global Deployment Management System), or sometimes thru emails only.

- **GCS APJ Intakes:**

- New project requests for APJ only customers.
 - Regional sales get notification from customer
 - Sales approach GCS Program Manager
 - Sales-PM relationship already pre-set. PM assignment will be based on sales segment or country level APJ countries
 - GCS PM will entry BOLT request for feasibility assessment
 - Regional services fulfillment team will take BOLT request and provide feasibility response



- New project requests for Global customers / global rollout (for customers looking for solution across multiple regions):
 - No intake process from sales. Lead region PM will send project request to regional PMs thru either Global Tracker or GDMS (Global Deployment Management System), or sometimes thru emails only.