



## CX-E Server Family

### THE RIGHT FIT FOR ANY SIZE ORGANIZATION

Whether you're a small business poised to grow or a large enterprise with a global presence, you're sure to find the perfect fit for your communications needs among AVST's portfolio of high performance, highly reliable servers.

It's all about reliability when it comes to supporting your enterprise applications. That's why AVST provides a broad range of servers designed for non-stop operation and featuring robust redundancy of critical components — including hot-swap redundant power supplies, hot-swap hard drives, hot-swap cooling fans, and advanced smart-cooling enclosure design. As a result, the servers satisfy even the most rigorous application requirements for demanding 24x7 environments. Equally important, AVST servers also protect your capital investment. Each server is subject to rigorous validation testing to meet the specific needs of real-time applications.

### CX-E SERVER PORTFOLIO



*AVST offers a portfolio of high performance, highly reliable servers that deliver the ideal mix of cost efficiency and performance.*

Feature	Dell R230 OEM	Dell R7910 LE OEM	Dell R7910 HE OEM	Dell R730 OEM
<b>CX Ports without Speech<sup>1</sup></b>	SS: 4-96 CS: 4-36 Combo: 4-36	SS: 4-500 CS: 4-96 Combo: 4-96	SS: 4-800 CS: 4-144 Combo: 4-144	SS: 4-800 CS: 4-144 Combo: 4-144
<b>CX Ports with Speech</b>	SS: 4-96 CS: 4-24 Combo: 4-24	SS: 4-500 CS: 4-48 Combo: 4-48	SS: 4-800 CS: 4-100 Combo: 4-100	SS: 4-800 CS: 4-120 Combo: 4-120
<b>Chassis</b>	1U Rack	2U Rack	2U Rack	2U Rack
<b>PCI Slots</b>	None	None	None	None
<b>PCI Express Slots</b>	None	3 useable <sup>2</sup> (1) x16, (2) x8	4 useable <sup>2</sup> (1) x16, (3) x8	4 total (3) x8, (1) x16
<b>Processor</b>	1) Intel Celeron G3900 2.8 GHz Dual Core	(1) Intel Xeon E5-2609 v3 1.9GHz Six Core <sup>3</sup>	(2) Intel Xeon E5-2609 v3 1.9GHz Six Core	(2) 2.6 GHz Intel Xeon E5-2640 Eight Core
<b>Memory Slots / Type<sup>4</sup></b>	(4) DDR4	(24) DDR4	(24) DDR4	(24) DDR4
<b>Memory Installed</b>	4 GB total (1 x 4 GB)	8 GB total (2 x 4 GB)	16 GB total (4 x 4 GB)	16 GB total (4 x 4 GB)
<b>RAID Controller</b>	Embedded Dell Perc S130 SW RAID 0/1	Onboard Intel SW RAID 0/1/5/10	PERC 9 H730P 12Gb/s RAID 0/1/5/10	PERC H730 SATA/SAS RAID 0/1/5/6/10
<b>RAID Installed</b>	(2) RAID 1	(2) RAID 1	(3) RAID 5 (1) hot standby	(4) RAID 10 (1) hot standby
<b>Hard Drives</b>	(2) 500 GB SATA	(2) 500 GB SATA	(4) 500 GB SATA	(5) 600GB SAS
<b>Optical Drive</b>	DVD-ROM	DVD-ROM	DVD-ROM	DVD-ROM
<b>NIC</b>	Dual GB NIC	Quad GB NIC	Quad GB NIC	Quad GB NIC
<b>USB Ports</b>	2 front, 2 back	2 front, 2 back	2 front, 2 back	2 front, 2 back
<b>Serial Ports</b>	(1) DB9	(1) DB9	(1) DB9	(1) DB9
<b>Power Supply</b>	(1) 250W	(1) 1100W	(2) 1100W	(2) 1100W
<b>Video Output</b>	Onboard (VGA)	Onboard (VGA)	Onboard (VGA)	Onboard (VGA)
<b>Onboard Remote</b>	iDRAC Express	iDRAC Express	iDRAC Express	iDRAC8 Enterprise <sup>5</sup>
<b>Mouse &amp; Keyboard</b>	Included	Included	Included	Included
<b>Monitor</b>	Not Included	Not Included	Not Included	Not Included
<b>Rack Rail Kit</b>	Included	Included	Included	Included
<b>HDD connection</b>	Internal hard-wired	Easy front access (cold-plug)	Easy front access (cold-plug)	Easy front access (hot-swap)
<b>Manufacturer System Class</b>	Server	High-end graphics workstation <sup>6</sup>	High-end graphics workstation <sup>6</sup>	Server
<b>Server Warranty</b>	3-yr Pro/NBD	3-yr Pro/NBD	3-yr Pro/NBD	3-yr Pro/NBD
<b>Operating System</b>	Windows Server 2012 R2 Telecom Edition			

The Dell servers AVST ships are sourced through the Dell OEM channel and may have a different configuration than the Dell retail servers.

As a result, only the Dell servers AVST ships are certified.

<sup>1</sup> SS = System Server, CS = Call Server, Combo = Combined System Server & Call Server

<sup>2</sup> For up to 2 voice boards, standard CT-Bus cable can be used. For more than 2 voice boards, the Dell R-Series CT-Bus cable is required. R7910 HE OEM server has three additional low profile slots available, however they cannot hold voice boards.

<sup>3</sup> Supports a second processor

<sup>4</sup> For optimum DDR4 performance, use a multiple of 4 DIMMs (e.g. 4, 8, 12, etc.)

<sup>5</sup> Supports remote console

<sup>6</sup> A high-end graphics workstation is built on a server platform that is further enhanced to meet the performance, power, and full length PCI slots requirements of a high-end graphics system. For all intents and purposes, and based on the AVST certification, such unit is a server, and all AVST documentation refers to it as such.