



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 R220 OEM	Dell R7910 LE OEM	Dell R7910 HE OEM	Dell R730 OEM
CX Ports without Speech¹	SS: 4-96 CS: 4-24 Combo: 4-24	SS: 4-500 CS: 4-96 Combo: 4-96	SS: 4-752 CS: 4-144 Combo: 4-144	SS: 4-752 CS: 4-144 Combo: 4-144
CX Ports with Speech	SS: 4-96 CS: 4-24 Combo: 4-24	SS: 4-500 CS: 4-48 Combo: 4-48	SS: 4-500 CS: 4-100 Combo: 4-100	SS: 4-500 CS: 4-120 Combo: 4-120
Chassis	1U Rack	2U Rack	2U Rack	2U Rack
PCI Slots	None	None	None	None
PCI Express Slots	None	3 useable ² (1) x16, (2) x8	4 useable ² (1) x16, (3) x8	4 total (3) x8, (1) x16
Processor	1) Intel Celeron G1820 2.7 GHz Dual Core	(1) ³ Intel Xeon E5-2609 v3 1.9GHz Six Core	(2) Intel Xeon E5-2609 v3 1.9GHz Six Core	(2) 2.6 GHz Intel Xeon E5-2640 Eight Core
Memory Slots / Type⁴	(4) DDR3	(24) DDR4	(24) DDR4	(24) DDR4
Memory Installed	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)
RAID Controller	Embedded Dell Perc S110 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
RAID Installed	(2) RAID 1	(2) RAID 1	(3) RAID 5 (1) hot standby	(4) RAID 10 (1) hot standby
Hard Drives	(2) 500 GB SATA	(2) 500 GB SATA	(4) 500 GB SATA	(5) 600GB SAS
Optical Drive	DVD-ROM	DVD-ROM	DVD-ROM	DVD-ROM
NIC	Dual GB NIC	Quad GB NIC	Quad GB NIC	Quad GB NIC
USB Ports	2 front, 2 back	2 front, 2 back	2 front, 2 back	2 front, 2 back
Serial Ports	(1) DB9	(1) DB9	(1) DB9	(1) DB9
Power Supply	(1) 250W	(1) 1100W	(2) 1100W	(2) 1100W
Video Output	Onboard (VGA)	Onboard (VGA)	Onboard (VGA)	Onboard (VGA)
Onboard Remote	No	iDRAC Express	iDRAC Express	iDRAC8 Enterprise ⁵
Mouse & Keyboard	Included	Included	Included	Included
Monitor	Not Included	Not Included	Not Included	Not Included
Rack Rail Kit	Included	Included	Included	Included
HDD connection	Internal hard-wired	Easy front access (cold-plug)	Easy front access (cold-plug)	Easy front access (hot-swap)
Manufacturer System Class	Server	High-end graphics workstation ⁶	High-end graphics workstation ⁶	Server
Server Warranty	3-yr Pro/NBD	3-yr Pro/NBD	3-yr Pro/NBD	3-yr Pro/NBD
Operating System	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.

¹ SS = System Server, CS = Call Server, Combo = Combined System Server & Call Server

² For up to 2 voice boards, standard CT-Bus cable can be used. For more than 2 voice boards, the R5500/R7610/R730 CT-Bus cable is required. R7910 HE OEM server has three additional low profile slots available, however they cannot hold voice boards. R7910 HE and LE servers can only support up to two D/120 voice cards.

³ Supports a second processor

⁴ DDR3 DIMMs must be added in pairs

⁵ Supports remote console

⁶ 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 AVST certification, such unit is a server and all AVST documentation refers to it as such.

