Atrenne
A Celestica Company

PERFORMANCE CRITICAL — MASTERING DEMANDING ENVIRONMENTS

500
SERIES

Atrenne Computing Solutions specializes in rugged electronic systems for mission-critical and performance-critical embedded computing platforms deployed in harsh environments.

With an almost forty-year legacy of providing enclosures, backplanes, system integration and custom solutions for VME, VPX, CompactPCI, xTCA, small-form factors and more, **Atrenne's** solutions are developed with a board-agnostic approach to match the precise specifications and supplier preferences of customers in the military, transportation, oil and gas exploration, medical, telecommunications and other industrial/emerging markets. ISO 9001/2008, ISO14001/2004 and AS9100 certified, **Atrenne Computing Solutions** is based in Brockton, MA, and is a wholly owned subsidiary of **Celestica Inc**.

Vertical Enclosures

Series	505	509/529	535	555	
Description	Vertical board–loading enclosure	Vertical board–loading enclosure | **509** Vertical extended board-loading enclosure | **529**	Vertical board–loading enclosure	Vertical board–loading enclosure	
Slot Count	2 to 21	2 to 21 | **509** 2 to 21 | **529**	2 to 21	2 to 21	
Height	4U (7") — 6U (10.5") 7U (11.25") — 12U (12") (3U or 6U Cards)	4U (7") — 6U (10.5") 7U (11.25") — 12U (12") (3U or 6U Cards)	9U (15.75")	10U (17.5")	
Width	17"	17"	17"	17"	
Depth	12"	20.5" | **509** 26.0" | **529**	12"	16"	
Cooling	Pressure	Pressure or Evacuation	Evacuation	Push/Pull Redundant	
Power (watts)	400 to 600 | Hot swap, N+1	350 to 1200	400 to 600 | Hot swap, N+1	1200W | N+1	
Features and Benefits	Hot pluggable, tach alarm-monitored fan tray with 3–93cfm Fans Power monitoring LEDs for CompactPCI voltages Multiple plug-in peripheral options	Recess or flush mount boards Fixed mount-drive options Pressurized or evacuation cooled I/O provisions Rackmount or desktop	Redundant IPMI system manager RoHS and NEBS level 3 compliant Front replaceable speed-controlled and monitored fan tray 19-inch or 23-inch-rack mountable	NEBS filtered, push/pull redundant Multiple plug-in peripheral options configurations available	

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Horizontal Enclosures

Development Test Stations

	508/528	545	522	585
	Horizontal board-loading enclosure	Horizontal board-loading enclosure	Vertical board-loading test workstation	Vertical board-loading portable enclosure
	2 to 12	2 to 11	2 to 21	2 to 12
	2U (3") — 9U (15.75") (3U or 6U Cards)	2U (3") — 9U (15.75") (3U or 6U Cards)	3U Cards — 12.25" 6U Cards — 17.5"	6U (10.5") – 3U Cards 9U (15.75") – 6U Cards
	17"	17"	12.4"	11.625"
	20.5" | **508** 26.0" | **528**	12"	20.5"	11.687"
	Pressure or evacuation	Pressure	Pressure	Pressure
	250 to 500	175 to 300 | Hot swap, N+1	350 to 2000	300
	Modular design for low MTTR Compact design Horizontal loading Fixed mount drive options Power & airflow monitoring	Hot pluggable, fan tray with four 46cfm fans Multiple front plug-in peripheral options Optional IPMI compliant chassis management module	Aesthetic aluminum design formats LED array for DC voltages Fan fail monitored Rear transition module configured System monitoring board with LCD display DC voltage test jacks Speed controlled fans Front mounted system reset switch	Front & rear I/O Dual 106 CFM fans Multiple plug-in periherial options

See back for available backplanes. Consult factory for custom solutions.

500 SERIES

Backplanes

VME/VME 64x

Model	Type	Shrouds	ABG	EBG	PO	Bus Bars	Slots	Din Connector
LA Series	VME64, J1						2 to 21	96 pin
LB Series	VME64, J1	X					2 to 21	96 pin
LC Series	VME64, J1		X				2 to 21	96 pin
LD Series	VME64, J1	X	X				2 to 21	96 pin
LT Series	VME64, J2						2 to 21	96 pin
LW Series	VME 64, J2	X					2 to 21	96 pin
LF Series	VME64, J1/J2						2 to 21	96 pin
LG Series	VME64, J1/J2	X					2 to 21	96 pin
LK Series	VME64, J1/J2		X				2 to 21	96 pin
LL Series	VME64, J1/J2	X	X				2 to 21	96 pin
LN Series	VME64, J1/J2	X			X		2 to 21	96 pin
LR Series	VME64, J1/J2	X	X			X	2 to 21	96 pin
NF Series	VME64x, J1/J2						2 to 21	160 pin
NG Series	VME64x, J1/J2	X					2 to 21	160 pin
NK Series	VME64x, J1/J2	X			X		2 to 21	160 pin
NP Series	VME64x, J1/J2	X		X			2 to 21	160 pin
NL Series	VME64x, J1/J2	X	X		X	X	2 to 21	160 pin

(3U VME / 6U VME)

CompactPCI™

Model	CPU Slot		Keying			Form Factor			
	Right	Left	H.110	3V	5V	6U	7U	3U	4U
RV	X			X		X	X	X	X
RW	X	X	X			X	X		
RX	X				X	X	X	X	X
RY	X	X		X	X	X			
PV		X		X		X	X	X	X
PW		X	X	X		X	X		
PX		X			X	X	X	X	X
PY		X		X	X	X			

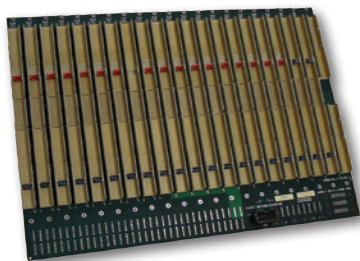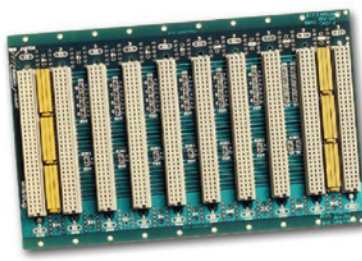**H.110, 2.16 & 2.17 backplanes are available**

Environmental

	Operating	Storage/Transit
Temperature	0 to 50° C (32 to 122° F)	20 to +60° C (-4 to 140° F)
Humidity	20 to 90% @ 50° C (122° F) non-condensing	5 to 95% @ 50° C (122° F) non-condensing
Altitude	15,000 ft. (4,572m.)	50,000 ft. (15,240m.)
Acoustical	< 55 dba Typical	

General: All chassis series compatible with all backplanes. Consult factory for ROHS and NEBS information.
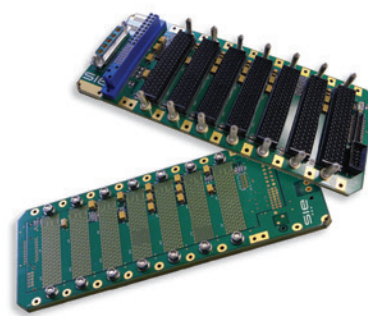
VXS, VPX and Open VPX Backplanes available

CompactPCI

VME64 Backplanes

VPX Backplanes

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