

CHASSIS SELECTION GUIDE

MORE THAN ENOUGH POWER

The chassis is the foundation of an ATE system. We design and manufacture a wide range of test instrumentation chassis for VXI platforms. VXI chassis may include linear power supplies as well as adaptations for specialized applications. Some are portable, while others are more suited for rack mounting.

The latest addition to our Racal Instruments™ chassis family is the 1263 series, which includes medium-power (1263MPf) and high-power (1263HPf and 1263HPr) models that leverage all the features of the VXI 4.0 standard for performance that meets your most demanding test requirements. The 1263 series is ideal for digital test applications.

CHASSIS/MAINFRAMES

VXI 3.0 7U CHASSIS

Model #	Slots	Size (in) HxWxD	Avail Power	Useable Power	Monitoring	Line Input Freq	Cool/ Slot VXI-8	Max Cool/ Slot*	Op Temp	Wght (lbs)	Safety Tests
1261B	13	12.2 x 17.4 x 23.7	1756 W	1000 W	None	90 to 250 V; 47 to 440 Hz	80 W	130 W	0° C to 55° C	46	CE
1261B with SMS					Standard Monitor						
1261B with EMS					Enhanced Monitor						
1261B- LINEAR			None	760 W	760 W					40/ 85**	
1261B- LINEAR with EMS			Enhanced Monitor								

VXI 3.0 9U CHASSIS

Model #	Slots	Size (in) HxWxD	Avail Power	Useable Power	Monitoring	Line Input Freq	Cool/ Slot VXI-8	Max Cool/ Slot*	Op Temp	Wght (lbs)	Safety Tests
1261B	13	15.7 x 17.4 x 23.7	1756 W	1000 W	None	90 to 250 V; 47 to 440 Hz	80 W	130 W	0° C to 55° C	52	CE
1261B with SMS					Standard Monitor						
1261B with EMS					Enhanced Monitor						

PORTABLE VXI 3.0 C-SIZE CHASSIS

Model #	Slots	Size (in) HxWxD	Avail Power	Useable Power	Monitoring	Line Input Freq	Cool/ Slot VXI-8	Max Cool/ Slot*	Op Temp	Wght (lbs)	Safety Tests
1264C	6	16.7 x 8.7 x 21.3	800 W	500 W	Status Indicators Comparators	115 VAC ±10%; 230 VAC ±10%; 47-63 Hz	52 W	80 W	0° C to 50° C	27	UL, CE
1264C/D		10.5 x 19 x 21.6								30	

* All other slots covered with slot blockers

** 1261B-Linear power supply is in a separate chassis

VXI 4.0 CHASSIS

Model #	Slots	Size (in) HxWxD	Avail Power	Useable Power	Monitoring	Line Input Freq	Cool/ Slot VXI-8	Max Cool/ Slot*	Op Temp	Wght (lbs)	Safety Tests
1263HPf	13	17.5 x 19 x 23.8	4000 W	3768 W	Enhanced Monitor	85 to 264 VAC or 100 to 380 VDC; 47 to 500 Hz	150 W	250 W	0° C to 50° C	69.1	CE
1263HPPr		17.5 x 19 x 27.5	4200 W			208 VAC 3-phase or single- phase; 47 to 500 Hz				93	
1263HPPr-B		22.75 x 19 x 27.5	4200 W			208 VAC 3-phase or single- phase; 47 to 500 Hz				95.5	
1263MPf		14 x 19 x 24.3	2500 W	1700 W		85 to 264 VAC or 100 to 380 VDC; 47 to 500 Hz	80 W	130 W		50.7	

Adapt-a-Switch™ SWITCHING MAINFRAMES

Model #	Slots	Size (in) HxWxD	Avail Power	Useable Power	Monitoring	Line Input Freq	Cool/ Slot VXI-8	Max Cool/ Slot*	Op Temp	Wght (lbs)	Safety Tests
1256	8	3.5 x 16.6 x 11.3	150 VA	150 VA	Power Indicators	47 to 63 Hz	N/A	N/A	-20 C° to 60° C	7.7	CD, N61010-1
1256L	12	3.5 x 17.3 x 18	300 W	280 W	Standard LXI Indicators	50/60 Hz	25 W	125 W	0° C to 50° C	12.8	EN61010- 1:2010

CARRIERS

VXI CARRIERS						
Model #	Installs In	# of VXI Slots Used	Type of Cards Accepted	Max # of Modules/ Plug-ins	Access Load	Notes
1260-100	VXI C-Size Chassis	2	Adapt-a-Switch™ Plug-ins	6	Front	<ul style="list-style-type: none"> Analog bus expands matrices or multiplexers Modular package allows up to 50% more switching EMI/RFI shields between plug-ins Requires Option 01T (not compatible with Option 01)
1260-100 w/Opt 01T						<ul style="list-style-type: none"> Analog bus expands matrices or multiplexers Modular package allows up to 50% more switching EMI/RFI shields between plug-ins Register-based for high-speed switching Message-based for programming ease IEEE-488 and SCPI Control up to 12 Adapt-a-Switch™ plug-ins or 1260 Series switch modules
1260-101	VXI C-Size Chassis	1	Adapt-a-Switch™ Plug-ins	2	Front	<ul style="list-style-type: none"> Analog bus expands matrices or multiplexers Modular package allows up to 50% more switching EMI/RFI shields between plug-ins Requires Option 01T (not compatible with Option 01)
1260-101 w/Opt 01T						<ul style="list-style-type: none"> Analog bus expands matrices or multiplexers Modular package allows up to 50% more switching EMI/RFI shields between plug-ins Register-based for high-speed switching Message-based for programming ease IEEE-488 and SCPI Control up to 12 Adapt-a-Switch™ plug-ins or 1260 Series switch modules
1260-100X	VXI C-Size Chassis	2	Adapt-a-Switch™ X-Series Plug-ins	6	Front	<ul style="list-style-type: none"> Analog bus expands matrices or multiplexers Modular package allows up to 50% more switching EMI/RFI shields between plug-ins Requires Option 01T (not compatible with Option 01)
1260-100X w/Opt 01T						<ul style="list-style-type: none"> Analog bus expands matrices or multiplexers Modular package allows up to 50% more switching EMI/RFI shields between plug-ins Register-based for high-speed switching Message-based for programming ease IEEE-488 and SCPI Control up to 12 Adapt-a-Switch™ plug-ins or 1260 Series switch modules

VXI CARRIERS CONTINUED						
Model #	Installs In	# of VXI Slots Used	Type of Cards Accepted	Max # of Modules/ Plug-ins	Access Load	Notes
VX405C	VXI C-Size Chassis	1	VITA 12-1996 M/MA Modules	6	Internal Side	<ul style="list-style-type: none"> ■ Carrier providing multiple interface types in a single VXI slot ■ Multiple instruments (DMM, counter, pulse generator, etc) in a single VXI slot ■ Multiple serial protocol test (RS232, 422, 485, 1553, 429) ■ VXI ATE "glue logic"
VX407C		1, 2, 3	PXI/cPCI Modules	Two 3U PXI/cPCI modules or one 6U PXI/cPCI module	Front	<ul style="list-style-type: none"> ■ Carrier providing embedded PowerPC® micro-processor to facilitate additional functionality ■ Adapts 3U or 6U PXI/cPCI modules to VXI ■ Supports both register-based and message-based communication ■ PMC port for peripherals, such as mass storage

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