

Interface Technology to Talon Instruments/Racal Instruments Cross Reference Guide

The following cross-reference list identifies the most comparable Talon Instruments or Racal Instruments replacement product for the listed obsolete Interface Technology product. Although the replacement products are the closest equivalent replacements that we have, we do not guarantee hardware or software compatibility with the similar Interface Technology product being replaced. Please contact EADS North America Test and Services for assistance with your specific replacement application.

Digital Test	Interface Technology			Talon Instruments			Differences, Limitations, and Comments	
Type	Model	Chs.	Form Factor	Model	Chs.	Form Factor		
Low Per-Pin Cost VXI Digital Test Subsystem	SR2500	32-576	2-slot VXI module	SR192A/SR101A	8-576	2-slot VXI module	Organization: SR192A modules are input/output; SR2500 modules are input only and output only. Software: SR192A Development System Software replaces the SR2500 WaveEdit tool.	
TTL I/O Plug-in Module	SR2510/20	32	Plug-in: 2/3 VXI slot	SR125A	16	Plug-in: 1/6 VXI slot		
Differential TTL I/O Plug-In Module	SR2510/20	32	Plug-in: 2/3 VXI slot	SR124A	8	Plug-in: 1/6 VXI slot		
+3.3V LVTTTL I/O Plug-In Module	SR2510/20	32	Plug-in: 2/3 VXI slot	SR214A	16	Plug-in: 1/6 VXI slot		
ECL I/O Plug-In Module	SR2510/20	32	Plug-in: 2/3 VXI slot	SR127A	8	Plug-in: 1/6 VXI slot		
CMOS I/O Plug-In Module	SR2510/20	32	Plug-in: 2/3 VXI slot	SR214A	16	Plug-in: 1/6 VXI slot		
Variable Voltage I/O Plug-In Module	SR2510/20	32	Plug-in: 2/3 VXI slot	SR214A	16	Plug-in: 1/6 VXI slot		
LVDS I/O Plug-In Module	SR2510/20	32	Plug-in: 2/3 VXI slot	SR126A	8	Plug-in: 1/6 VXI slot		
Expansion Module with Guided Probe Option	SR2520	32	Plug-in: 2/3 VXI slot	SR210/SR211	1	Handheld probe		
High Performance VXI Digital Test Subsystem	SR5000	16-640	2 VXI slots (min.)	SR192A	8-576	2-slot VXI module		Speed: SR192A output timing is 50 MHz max; contact us if 100 MHz or 200 MHz pipeline modules are needed. For 200 MHz serial operation, the Talon Instruments 2108 is recommended. High Voltage: Ask about the SR114A for a higher-swinging variable voltage module. Software: SR192A Development System Software replaces the SR5000 VisTE toolset.
Timing Control Module	SR5010A	0	1-slot VXI module	SR101A	0	2 per SR192A		
TTL I/O Plug-in Module	SR5020A	32	1-slot VXI module	SR125A	16	Plug-in: 1/6 VXI slot		
Variable Voltage I/O Plug-In Module	SR5030A	16	1-slot VXI module	SR214A	8	Plug-in: 1/6 VXI slot		
Programmable Hi-Voltage I/O Plug-In Module	SR5031A	16	1-slot VXI module	SR214A	8	Plug-in: 1/6 VXI slot		
ECL I/O Plug-In Module	SR5040A	32	1-slot VXI module	SR127A	8	Plug-in: 1/6 VXI slot		
CMOS I/O Plug-In Module	SR5050A	32	1-slot VXI module	Contact Us				
LVDS I/O Plug-In Module	SR5060A	32	1-slot VXI module	SR126A	8	Plug-in: 1/6 VXI slot		
PECL I/O Plug-In Module	SR5070A	32	1-slot VXI module	Contact Us				
ECL I/O Plug-In Module	SR5140A	16	1-slot VXI module	SR127A	8	Plug-in: 1/6 VXI slot		
LVDS I/O Plug-In Module	SR5160A	16	1-slot VXI module	SR126A	8	Plug-in: 1/6 VXI slot		
PECL I/O Plug-In Module	SR5170A	16	1-slot VXI module	Contact Us				
ECL I/O Plug-In Module	SR5240A	16	1-slot VXI module	SR127A	8	Plug-in: 1/6 VXI slot		
LVDS I/O Plug-In Module	SR5260A	8	1-slot VXI module	SR126A	8	Plug-in: 1/6 VXI slot		
PECL I/O Plug-In Module	SR5270A	8	1-slot VXI module	Contact Us				
Guided Digital Probe	SR500GP	1	Handheld probe	SR210/SR211	1	Handheld probe		
High Performance VXI Digital Test Subsystem	SR5500	32-640	2 VXI slots (min.)	SR192A	8-576	2-slot VXI module	Software: SR192A Development System Software replaces the SR5500 WaveEdit tool.	
Timing Control Module	SR5510A	0	1-slot VXI module	SR101A	0	2 per SR192A		
ECL I/O Plug-In Module	SR5540A	32	1-slot VXI module	SR127A	8	Plug-in: 1/6 VXI slot		
Digital Word Generation	Interface Technology			Talon Instruments			Differences, Limitations, and Comments	
Type	Model	Chs.	Form Factor	Model	Chs.	Form Factor		
VXI Digital Word Generator	DG600	32	1-slot VXI module	SR192A/SR101A	8-576	2-slot VXI module	Talon Instruments BE64 is another option here.	
TTL I/O Plug-in Expansion Module	DG605	64	1-slot VXI module	SR125A		Plug-in: 1/6 VXI slot		
Bus Emulation	Interface Technology			Talon Instruments			Differences, Limitations, and Comments	
Type	Model	Chs.	Form Factor	Model	Chs.	Form Factor		
VXI Extreme Bus Emulator	IBE4080	40	1-slot VXI module	BE-64	64	1-slot VXI module		
Pulse Generation	Interface Technology			Racal Instruments			Differences, Limitations, and Comments	
Type	Model	Chs.	Form Factor	Model	Chs.	Form Factor		
VXI Dual 100MHz Pulse Generator	PG100	2	1-slot VXI module	3171	3	1-slot VXI module	Pulses: 3171 pulses are up to 50MHz and 22Vpp.	
VXI Dual 300MHz Pulse Generator	PG110	2	1-slot VXI module	3171	3	1-slot VXI module		
VXI Prototyping	Interface Technology			Racal Instruments			Differences, Limitations, and Comments	
Type	Model	Chs.	Form Factor	Model	Chs.	Form Factor		
Register-Based VXI Prototyping Module	BB9210	0	1-slot VXI module	7064R	0	1-slot VXI module	Digital I/O: 7064M has 96 digital I/O channels available for the prototype.	
Message-Based VXI Prototyping Module	BB9250	0	1-slot VXI module	7064M	96	1-slot VXI module		
Message-Based VXI Prototyping Module	BB9260	0	1-slot VXI module	7064M	96	1-slot VXI module	Interface: Register-based daughter board isn't offered Size: OPT05 is larger than the IT models.	
Register-Based VXI Interface Card	IT9110	0	Embed in VXI module	7064M-OPT05	96	Embed in VXI module		
Message-Based VXI Interface Card	IT9150	0	Embed in VXI module	7064M-OPT05	96	Embed in VXI module		
Message-Based VXI Interface Card	IT9160	0	Embed in VXI module	7064M-OPT05	96	Embed in VXI module		
Static Digital I/O	Interface Technology			Racal Instruments			Differences, Limitations, and Comments	
Type	Model	Chs.	Form Factor	Model	Chs.	Form Factor		
VXI TTL Static Digital I/O Module	IO50	64	1-slot VXI module	1260-14 TTL	96	1-slot VXI module	Differential: 1260-14 TTL uses single-ended drivers with channels doubled up for differential mode.	
VXI CMOS Static Digital I/O Module	IO51	64	1-slot VXI module	1260-14 CMOS	96	1-slot VXI module		
VXI Open Collector Digital I/O Module	IO52	64	1-slot VXI module	1260-14C	96	1-slot VXI module	Channel Count: If 128 channels in one VXI slot are needed, consider the Racal Instruments MA1714 M-Module.	
VXI Solid State Relay Digital I/O Module	IO53	62	1-slot VXI module	Contact Us				
VXI Differential TTL Static Digital I/O Module	IO54	32	1-slot VXI module	1260-14 TTL	48	1-slot VXI module		
VXI TTL Static Digital I/O Module	IO100	128	1-slot VXI module	1260-14 TTL	96	1-slot VXI module		
VXI CMOS Static Digital I/O Module	IO110	128	1-slot VXI module	1260-14 CMOS	96	1-slot VXI module		
VXI Open Collector Digital I/O Module	IO120	128	1-slot VXI module	1260-14C	96	1-slot VXI module		
VXI Solid State Relay Digital I/O Module	IO130	126	1-slot VXI module	Contact Us				
VXI Differential TTL Static Digital I/O Module	IO140	64	1-slot VXI module	1260-14 TTL	48	1-slot VXI module		
TEC Controller	Interface Technology			Talon Instruments				Differences, Limitations, and Comments
Type	Model	Chs.	Form Factor	Model	Chs.	Form Factor		
Thermo-Electric cooler Controller (3A/channel)	TEC-8	1-8	19" Rack Mount GPIB	5020A 5021	1	4.74"x4"x9" RS-232 5"x4.35"x10" RS-232	10 Amp TEC control 17 Amp TEC control	