VT987

19" Rack mountable, 11-port Serial Expansion Breakout
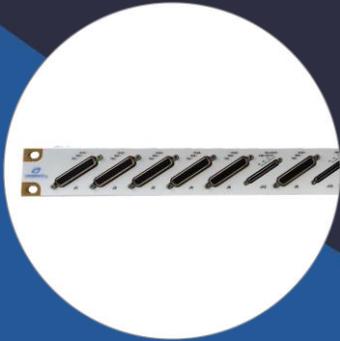
VT987

Key Features

- 11 serial port expansion through DB25 connectors

- 19" rack mountable

- RX/TX activity, port clock valid, and other status LEDs

Benefits

- Seamless integration with VadaTech PCI325 module

- Full system supply from industry leader

- AS9100 and ISO9001 certified company

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The VT987 is a 19" rack mountable multiport serial expansion module.

The module takes multiport serial input through dual High Density Connectors and provides the output through eleven DB25 connectors.

The eleven ports are provided as four bi-directional ternary ports (J1-J4), four bi-directional binary ports (J5-J8), and three output-only binary ports (J9-J11).

A ternary port is made up of a clock and three data pairs in each direction. A binary port is made up of a clock and single data pair in each direction. Baud rates up to 2Mbps are supported on binary ports.

The module front panel includes port RX/TX activity, port clock valid, and other status LED indicators.

The VT987 can be used with modules such as the VadaTech PCI325.

Block Diagram
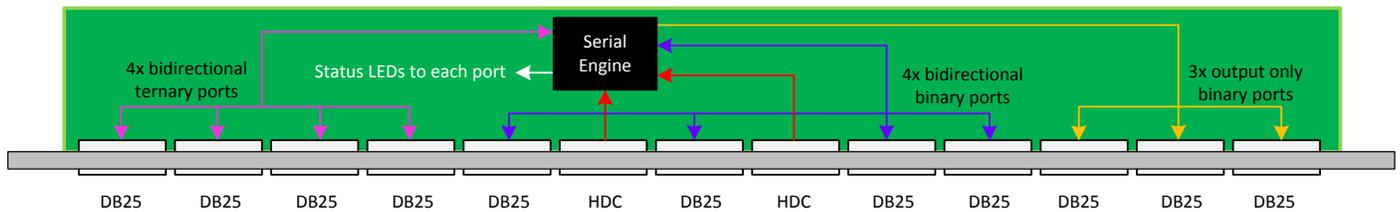
Panel
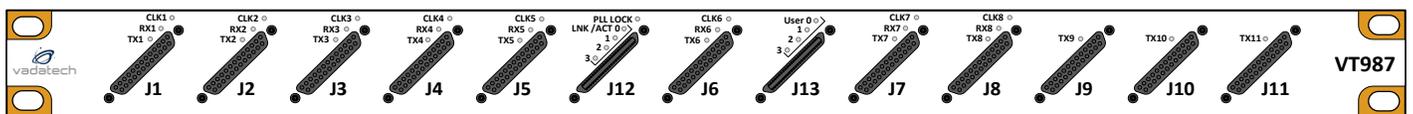
Specifications

Architecture			
Physical	**Dimensions**	Height: 1U	
		Width: 19"	
		Depth: 2"	
Type	**Expansion**	Serial port breakout box	

Standards		
	Type	Rack mount break out module

Configuration		
Power	**VT987**	2W
Environmental	**Temperature**	Operating temperature: -5° to 45° C (55°C for limited time, performance restrictions may apply), industrial versions also available (See environmental spec sheet)
		Storage Temperature: –40° to +85°C
	Vibration	Operating 9.8 m/s² (1G), 5 to 500Hz on each axis
	Shock	Operating 30Gs on each axis
	Relative Humidity	5 to 95 per cent, non-condensing
Front Panel	**Interface Connectors**	11x DB25 Connectors for serial port expansion
		2x High density connectors
	LEDs	Status LEDs for each port
Software Support	**Operating System**	N/A
Conformal Coating		Humiseal 1A33 Polyurethane (Optional)
		Humiseal 1B31 Acrylic (Optional)

Other	
MTBF	MIL Hand book 217-F@ TBD hrs
Certifications	Designed to meet FCC, CE and UL certifications, where applicable
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards
Warranty	Two (2) years

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and µTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTM), Power Modules, and more. The company also offers integration services as well as pre-configured Application-Ready Platforms. Please contact VadaTech Sales for more information.

Trademarks and Disclaimer

Ordering Options

VT987 – 000-000-00J

		J = Temperature Range and Coating
		0 = Commercial (–5° to +55° C), No coating
		1 = Commercial (–5° to +55° C), Humiseal 1A33 Polyurethane
		2 = Commercial (–5° to +55° C),Humiseal 1B31 Acrylic
		3 = Industrial (–20° to +70° C), No coating
		4 = Industrial (–20° to +70° C), Humiseal 1A33 Polyurethane
		5 = Industrial (–20° to +70° C), Humiseal 1B31 Acrylic

Related Products

PCI325

- Multi-Channel Synchronous/Asynchronous RS-422 communication

- 24 – RS-422 input pairs

- 30 – RS-422 output pairs

Contact

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- Complete signal chain
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