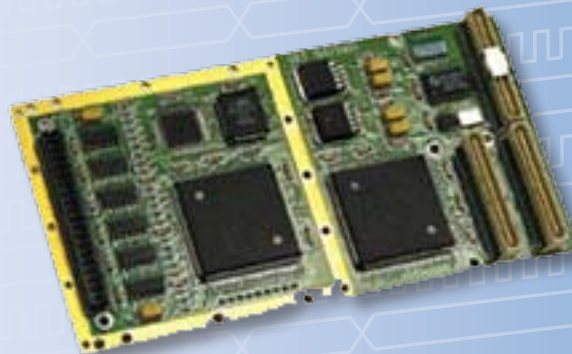


CONDUCTION COOLED STANAG 4156 PMC



REAR I/O VERSION

GET Engineering is proud to announce the industry's only STANAG 4156 PMC Serial Interface Adapter. It is fully compliant to the ANSI/VITA 20-2001 Conduction Cooled PMC Standard. This interface adapter card offers a full duplex serial data path which can be configured to operate as a Terminal, User or Direct Connection Coupler device. Both STANAG 4156 Type A and Type B Unilateral Protocol supported. For Type B Bilateral and Simplex, please call. All configuration parameters are accessible through a simple software interface with FPGA-controlled DMA channels to reduce host CPU overhead.

GET Engineering's STANAG 4156 card is available in either commercial or extended temperature ranges with the option of front panel (Micro-D 25 pin) or rear I/O through a PMC P4 connector. The software included with this adapter card provides the user with an operating system independent API enabling easy migration from one operating system to another; for example, from Linux to HP-UX.

KEY SOFTWARE FEATURES

- Common API across multiple operating systems
- Memory Mapped Address Space
- Independent FPGA-controlled DMA channels
- DMA channels reduce CPU overhead
- Extensive Built-in-Test capabilities enable rapid troubleshooting of interface
- Sample Code supplied for rapid Application Code Development

KEY HARDWARE FEATURES

- ANSI/VITA 20-2001 compliant PMC module
- Clock frequency selectable for 1-MHz or 3-MHz operation
- Software selectable User, Terminal or Direct Connection Coupler
- Both STANAG 4156 Type A and Type B Unilateral Protocol supported. For Type B Bilateral and Simplex, please call.
- Front panel or rear (P4) I/O configurations available
- User controlled Front Panel LEDs for Adapter Status, TX and RX Activity

SPECIFICATIONS	
STANAG 4156 Interface	Full compliance to STANAG 4156
Form Factor	ANSI/VITA 20-2001 Standard Single CCPMC Module (74mm x 143.77mm)
Bus Interface	IEEE 1386.1-2002 Standard for common mezzanine card family
Power Requirements	4.25 Watts (Maximum)
I/O Connections: Front Panel	Micro-D-Subminiature 25-pin plug (MIL-STD-83513 optional)
I/O Connections: Rear Panel (P4)	P4 I/O per ANSI/VITA-35-2001
ENVIRONMENTAL SPECIFICATIONS	
Temperature Standard	0°C to 55°C Operating (MIL-STD-810, Method 501 and 502, Procedure II)
Extended Temperature Version	-40°C to 85°C Operating (ANSI/VITA 47, Class CC4)
Storage Temperature	-40°C to 85°C Operating (MIL-STD-810, Method 501 and 502, Procedure I)
Humidity	5 to 95% humidity operational (non-condensing) (MIL-STD-810, Method 507)
Vibration	0.01g ² /Hz 15-2KHz, Optional 0.1g ² /Hz 15-2KHz (MIL-STD-810, Method 514, Procedure I)
Operating Shock	20 g peak, Optional 40 g peak (MIL-STD-810, Method 516, Procedure I)
Mean Time Between Failures	Greater than 200K hours MTBF per MIL-HDBK-217, Revision E, 25°C Ground Benign Environment
ORDERING INFORMATION	
Name	Part Number
	10075901