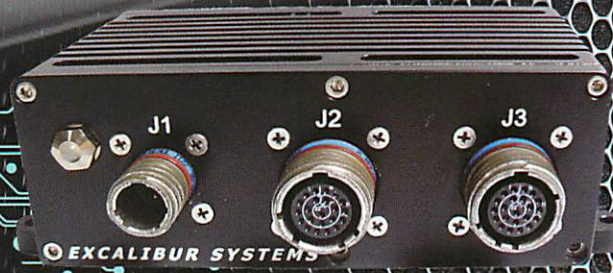


MACC

Miniature Airborne Communications Converter

- Converts messages between the following protocols:
 - MIL-STD-1553A/B
 - MIL-STD-1760
 - ARINC-429
 - Serial (RS-232/422/485)
 - Ethernet
 - Discrete I/O
- MIL-STD-704A/E
- MIL-STD-1275B
- MIL-STD-810G
- MIL-STD-461E
- Small – Lightweight – Rugged

- Rugged P104Plus system
- Environmentally sealed modular case
- Multiple processors supported
- Supports Windows7, Linux and VxWorks Operating System
- Removable or Fixed Solid State Memory
- Supports multiple avionics interfaces
 - MIL-STD-1553/1760 • H009
 - ARINC-429 • CAN Bus
 - ARINC-708 • A/D; D/A
 - RS232/422/485 • Ethernet
- Discrete I/O, TTL and Avionics
- Compatible 3RD party cards
- Miniature Munitions Stores Interface;
- Custom cards
- MIL-STD-810F
- MIL-STD-704E/1275 Power Supply
- MIL-STD-461E



MARC

Miniature Airborne Recording System

- Records messages from the following protocols:
 - MIL-STD-1553A/B
 - MIL-STD-1760
 - ARINC-429 (Transmit or Receive)
 - Serial (RS-232/422/485)
 - Discrete I/O
- Up to 32 GB (~100 hours) recording capacity
- IRIG-B Timestamps
- Data integrity (no data loss on abnormal power down)
- Data upload option:
 - Removable CF (Compact Flash)
 - Via Ethernet to host

DRAGON



EXALT Plus



Exalt, **Excalibur Analysis Laboratory Tools** gets you started quickly and efficiently with monitoring, analyzing and displaying real-time data. Exalt is one of the few programs capable of monitoring from multiple buses and protocols simultaneously (MIL-STD-1553, ARINC-429, ARINC-708, Discrete I/O, MMSI, H009, Firewire and AFDX). Data is viewed in several different ways: raw data, engineering units or graphical displays. Exalt works in conjunction with Excalibur's family of Multi-Protocol 4000 cards.

USB and Ethernet Products

The UNET is Excalibur's new USB/Ethernet family of devices. The **EXC-1553UNET/Px** supports up to two MIL-STD-1553 buses. The **DAS-429UNET/RTx*** supports 5 or 10 ARINC 429 channels that are software configurable as Tx or Rx. Both devices share their API with their entire 1553Px/429RTx family so that applications currently running on PCIe, PCI or PCMCIA boards will run without modification.

You can interface with the UNET via USB or Ethernet. Multiple units can operate via USB ports on the same computer.

General Features

- Host interface: user selectable USB 2.0 or Ethernet 10/100 Mbps
- Real-time operation
- 32-bit Time Tag
- Programmable interrupts
- Time Tag can be read in real-time
- Smart power management
- 8 Discrete I/O signals
- IRIG B input

Dimensions: 98.5mm x 76mm x 18mm
(not including connectors)

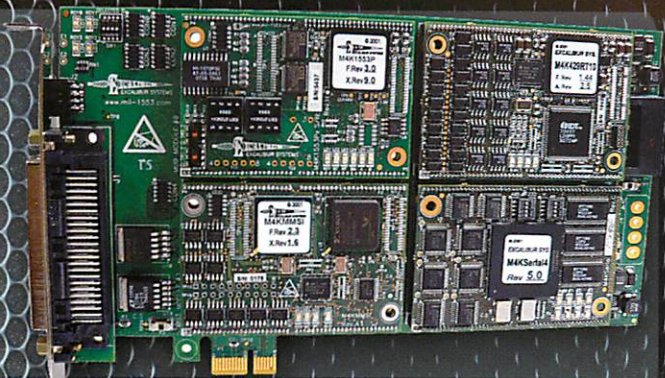
Operating temperature: -40° to +75°C

Optional battery*, mounting panel and cables connected straight to the box.

Same 1553 and 429 functionality as the 1553Px/429RTx family of boards, ExpressCards and PCMCIA cards.

*Available 2nd quarter 2014





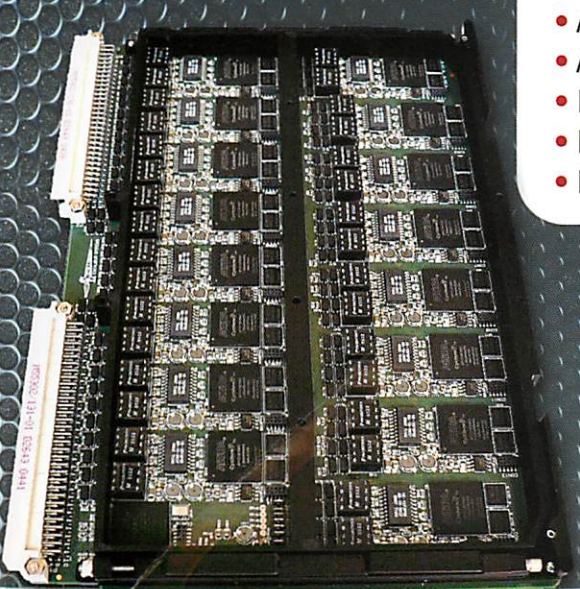
The **EXC-4000PCle** is part of the 4000 family of multiprotocol carrier boards. This PCI Express interface board supports up to four independent and removable modules. Each module can be any of the 4000 family modules. The board supports Direct Memory Access (DMA) which enables it to access system memory for reading and writing independently of the computer's CPU. This results in faster data transfer to and from the board with much less CPU overhead than when not using DMA.



The **EXC-4000P104P** is designed for the PC/104-Plus standard for small, rugged, extended temperature boards. Designed to support our Dragon rugged avionics computer, it fits an amazing 5 modules in a very small area. These modules include 2 MIL-STD 1553 modules, one ARINC 429 module and two additional modules selectable from our full range of M4K modules.

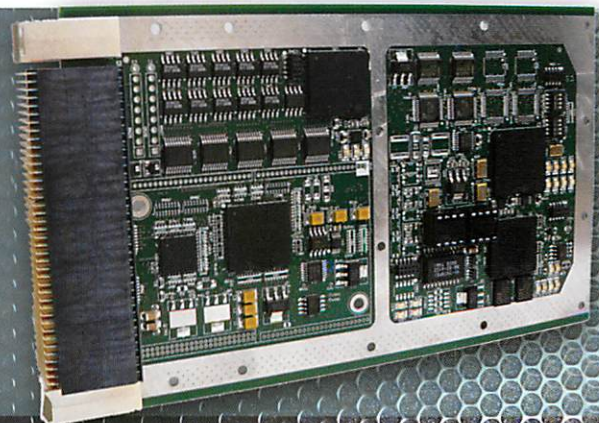
M4K Modules are Available for the Following Protocols:

- ARINC 429/575
- ARINC 708/453
- MIL-STD-1553
- MIL-STD-1760
- Discrete I/O
- Serial RS-232/RS-422/RS-485
- H009
- CAN
- CAN825 (ARINC 825)
- MMSI (Miniature Munitions Store Interface)



The **EXC-1553ccVME** is our conduction cooled product offering. This high density VME card can be acquired with one to sixteen independent channels. Each channel can be programmed for either single function or multifunction. This card has been screened for environmental criteria which makes it an excellent choice for embedded applications.

The **EXC-4500ccVPX** is the latest addition to our 4000 family of multiprotocol carrier boards. On the base board is one channel of MIL-STD-1553 (single or multi-function), four RS-232/422/485 channels and 20 discrete I/O. In addition to these fixed interfaces, an additional slot is available for any of the M4K family of modules.



Couplers

Box Couplers:

- 1 to 8 stubs
- Extended temperature
- Custom Couplers

Inline Couplers:

- 1 to 4 stubs
- -55C° to 125C°
- Custom cable lengths

1553 Repeater

- Extend 1553 bus length
- Extend 1553 stub length
- 28V DC supply
- Rugged casing
- Connect multiple devices to one stub
- Extended temperature

Databus Products

- Switches
- Cables
- Cable Assemblies
- Terminators
- Connectors
- Transformers

ONE-STOP SHOPPING AT EXCALIBUR

Systems • Cards • Data Bus Couplers • Connectors • Terminators • Cables and Cable Assemblies

For more information contact your local Excalibur representative or visit our website at www.mil-1553.com

