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# DAS-429VME/Mx

# DAS-429VXI/Mx

## General Specifications

Supports up to 48 ARINC-429 channels:  
32 Receive  
16 Transmit

Modular design  
16K x 16 dual-port RAM on each 6-channel module  
32 bit processor on each 6-channel module  
Programmable 12.5 / 100KHz bit rate  
Programmable Interrupts

## Host Interface

VME compliance:	Slave A16, A24/A32: D8/D16
VXI compliance	Register based
Memory space occupied:	32K x 8
Interrupts:	IRQ* 1 - 7
Power (/M2):	+5V ±5% @ 1.45A +12V ±5% @ 180mA -12V ±5% @ 180mA

## Physical Characteristics

Mechanical format:	160mm x 233mm (B size) 340mm x 233mm (C size, including RFI/EMI shield)
Weight (/M2):	275 grams

## Operating Environment

Temperature:	0° - 70°C
Humidity:	5% - 90% noncondensing
MTBF (/M2):	47,226 hours at 25°C, G <sub>F</sub>

1-800-MIL-1553

## Transmit Channels

Programmable even/odd parity  
Programmable inter-word gap  
Selectable transmission modes: One shot, Loop & N-times

## Receive Channels

Selectable reception modes: Sequential and Look-up  
Supports merging of data from receive channels  
Label filtering  
Start storage on receipt of trigger  
32 bit Time Tag

## Software Support

C Drivers with source code for Windows 9x/NT/2000  
Mystic GUI software for Windows 9x / NT

## Ordering Information

DAS-429VME/Mx	Modular ARINC-429 interface for VME (B size)
DAS-429VXI/Mx	Modular ARINC-429 interface for VXI (C size)
M429R4T2	6-channel ARINC module (for upgrade)

Note: "x" specifies the number of ARINC-429 modules required

ARINC - 429

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