



## Modular VXIbus Switch Carrier 1260-100X

- ◆ **Easy Access, Front-Loading Switch Modules**
- ◆ **Analog Bus Expands Matrices or Multiplexers**
- ◆ **Modular Package Allows Over 50% More Switching**
- ◆ **Accepts Six X-series Adapt-a-Switch™ Plug-ins**
- ◆ **EMI/RFI Shields Between Plug-ins**
- ◆ **Two-slot, C-size VXIbus**

The X-series Adapt-a-Switch™ platform is a revolutionary, modular switch system that delivers unprecedented density and flexibility in a two-slot, C-size, VXIbus module. The 1260-100X Switch Carrier accommodates up to six plug-in switch cards, providing optimum switching solutions while reducing the overall size of the ATE.

Configurations combining discrete relays, and RF switches are currently available. An ever-expanding range of plug-in switch cards ensures that X-series Adapt-a-Switch™ platform will continue to be the solution for future test requirements

To simplify configuration, the X-series Adapt-a-Switch™ plug-ins are inserted easily and directly from the front panel of the 1260-100X, without removing the carrier module from the VXIbus chassis. Field upgrades can be accomplished quickly and easily. In addition, sparing can be done at the individual plug-in level, minimizing the cost of system support.

An Option 01T interface must be installed in a module adjacent to the left of the 1260-100X. Refer to the Option 01T datasheet for specifications and product features.

The 1260-100X provides an analog bus to interconnect two or more plug-ins. This enables large multiplexers and matrices to be dynamically configured via software control. EMI/RFI shields eliminate crosstalk and radiation between plug-ins, ensuring low-noise performance and excellent signal integrity.

# 1260-100X PRODUCT SPECIFICATIONS

## GENERAL

### 1260 Series Compatibility

Accepts X-series Adapt-a-Switch plug-ins.

### Switching Response Time\*\*\*

Register-based: 10 ms max.  
Message-based: 10 ms typical

### Analog Bus

Four two-wire differential channels, 50-ohm impedance, 2A current capacity

## VXIBUS INTERFACE DATA

### Peak Current (without plug-ins)

+5V: 1A

### Dynamic Current (per plug-in)

+5V: 1mA

### Cooling (worst-case plug-in configuration)

Airflow: 3.0l/s  
Backpressure: 0.7mm H<sub>2</sub>O

### Maximum Supplied Current

9.3A @+5V  
3A @+12V  
3A @+24V

### Maximum Supplied Power

150WDC, 75W Per Slot

\*\*\*Measured from start of VXIbus cycle until relay coil is fully energized

## ENVIRONMENTAL

### Temperature

Operating: :0° C to +55° C  
Non-operating: -40° C to +75° C

### Relative Humidity

85 % ± 5 % at <35° C

### Altitude

Operating: 10,000 ft.\*  
Non-operating: 15,000 ft.

### Vibration

0.013 in. P-P, 5 Hz to 55 Hz; meets MIL-T-28800C Type III, Class 5, Style F

### Shock

30 G, 11 ms, ½ sine wave

### Bench Handling

4-inch drop at 45°

## EMC

### Emissions\*\*

EN55011A with limits in accordance with EN50081-1

### Immunity\*\*

IEC801-2,3,4 with limits in accordance with EN50082-1

## SAFETY\*\*

EN61010-1  
Impulse Withstand 1000V

\*Operation at altitudes between 10,000 and 15,000 feet require de-rating of maximum overall supplied power to 128WDC, 64W Per Slot

\*\* Certification Pending

## RELIABILITY

### MTBF

Without Option-01T 646,921 hours @ 25° C.

Without Option-01T 614,885 hours @ 30° C.

### MTTR

Replace plug-in: 5 min.  
Replace other: <30 min.

## MECHANICAL

### Weight (empty carrier)

4.35 lbs. (2.0 kg.)

### Dimensions

VXIbus C-size, two-slot module

### Module Capacity

Six X-series Adapt-a-Switch plug-ins or regular Adapt-a-Switch plug-ins with an adapter

### Front-Panel Connectors

Provided by each plug-in

### RF Shielding

Fixed aluminum shields between plug-in slots

## ORDERING INFORMATION

### MODEL/DESCRIPTION

Racal Instruments 1260-100X Adapt-a-Switch™ VXIbus Switch Carrier  
1260-A2X-117/ Racal Instruments 1260-117 module with adapter

### PART NUMBER

408007  
408013-117

The EADS North America Defense Test and Services policy is one of continuous development, consequently the equipment may vary in detail from the description and specification in this publication.



EADS North America Defense Test and Services  
1.800.722.2528/1.949.859.8999 sales@eads-nadefense.com