



Modules not included with carrier.

Modular VXIbus Switch Carrier

- ◆ **Easy Access, Front-loading Switch Modules**
- ◆ **Analog Bus Expands Matrices or Multiplexers**
- ◆ **Modular Package Allows Multiple Switch Types in One VXI Slot**
- ◆ **Accepts Two Adapt-a-Switch® plug-ins**
- ◆ **Single-Slot, C-size VXIbus Module**

The Adapt-a-Switch® platform is a revolutionary, modular switch system that delivers high density and flexibility. Racal Instruments 1260-101 Switch Carrier accommodates two plug-in switch cards in a single slot VXI module. Configurations combining discrete relays, multiplexers, matrices, power relays, RF switches, and digital test units are currently available. An ever-expanding range of plug-in switch cards ensures that the Adapt-a-Switch® platform will continue to be the solution for future test requirements.

To simplify configuration, the Adapt-a-Switch® plug-ins are inserted easily and directly from the front panel of the 1260-101, without removing the carrier module from the VXIbus chassis. Field upgrades or modifications can be accomplished quickly and easily. In addition, sparing can be done at the individual plug-in level, minimizing the cost of system support.

The 1260-101 provides an analog bus to interconnect the two plug-ins. This enables large multiplexers and matrices to be dynamically configured via software control.

The Option 01T interface, housed in the 1260-101, controls the two Adapt-a-Switch® plug-in cards, and up to ten additional 1260-series VXI switch modules using both register-based and message-based modes. Refer to the Option 01T data sheet for specifications and product features.

The 1260-101 includes VXIplug&play support for WIN96/NT frameworks, including drivers for LabWindows/CVI and LabVIEW.

1260-101 PRODUCT SPECIFICATIONS

GENERAL

1260 Series Compatibility

Option 01T simultaneously controls combination of Adapt-a-Switch® plug-ins and 1260 Series switch modules.

Annunciators

FAIL: Self-test failure indicator LED

Host Interface

VXIbus backplane

Control Type

Message-based

Register-based: VXIbus A24 address space

VXIplug&play

Compatible drivers for all 1260 Series switching modules

VXIBUS INTERFACE DATA

Peak Current (without plug-ins)

+5 V: 1 A

Dynamic Current

+5 V: 1 mA

Capacitance

18 pF

Cooling (worst-case plug-in configuration)

Airflow: 1.5 l/s

Backpressure: 0.7 mm H₂O

ENVIRONMENTAL DATA

Temperature

Operating: 0° C to +55° C

Non-operating: -40° C to +71° C

Relative Humidity

95% ±5% non-condensing at 30° C

75%±5% RH above 30° C

45%±5% RH above 40° 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°

RELIABILITY

MTBF

>315,000 hours, MIL-HBK-217, ground-benign, 30° C

MTTR

Replace plug-in: 5 min.

Replace other: <30 min.

Switching Response Time*

Register-based: 9µs max.

Message-based: 10 ms typical

MECHANICAL

Weight (empty carrier)

2.42 lbs.

Dimensions

VXIbus C-size, single-slot module

Module Capacity

Two Adapt-a-Switch plug-ins

Front-Panel Connectors

Provided by each plug-in

Indicators

Fail indicator, red LED

Analog Bus

Four two-wire channels, 100-ohm impedance, 2A current capacity

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

ORDERING INFORMATION

MODEL/DESCRIPTION


Racal Instruments 1260-101, Adapt-a-Switch® 2 plug-in, 1-slot VXIbus Switch Carrier

Racal Instruments 1260-101/O1T, Adapt-a-Switch® 2 plug-in, 1-slot VXIbus Switch Carrier with Option O1T installed

PART NUMBER

407973

407973-O1T

 The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions, Immunity to Electromagnetic Disturbances and complies with European electrical safety standards.

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.



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