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Racal Instruments
http://www.racalinstruments.com

PRODUCT INFORMATION

Modular VXIbus Switch Carrier
Model 1260-100



Modules not included with carrier.

- **East Access, Front-loading Switch Modules**
- **Analog Bus Expands Matrices or Multiplexers**
- **Modular Package Allows up to 50% More Switching**
- **Accepts Six Adapt-a-Switch™ plug-ins**
- **EMI/RFI Shields Between Plug-ins**
- **Two-slot, C-size VXIbus**

The 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 1260-100 Switch Carrier accommodates up to six plug-in switch cards, providing optimum switching solutions while reducing the ATE size requirements. 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 Adapt-a-Switch 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 1260-100, 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 1260-100 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 signal integrity.

The Option 01T interface, housed in the 1260-100 can control twelve Adapt-a-Switch plug-in cards, using both register-based and message-based modes. Refer to the Option 01T data sheet for specifications and product features.

The 1260-100 includes VXI*plug&play* support for WIN96/NT frameworks, including drivers for LabWindows/CVI and LabVIEW.

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1260-100 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

VXI*plug&play*
Compatible drivers for all 1260 Series switching modules

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_20

ENVIRONMENTAL

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

Relative Humidity
95% ±5% non-condensing at 30°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

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)
4.4 lbs. (2.0 kg.)

Dimensions
VXIbus C-size, two-slot module

Module Capacity
Six Adapt-a-Switch plug-ins

Front-Panel Connectors
Provided by each plug-in

Indicators
Fail indicator, red LED

RF Shielding
Fixed aluminum shields between plug-in slots

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**	**Part Number**
1260-100	Adapt-a-Switch VXIbus Switch Carrier	407655

CE 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

The Racal 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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