Modules not included with carrier

- ◆ **East Access, Front-loading Switch Modules**
- ◆ **Analog Bus Expands Matrices or Multiplexers**
- ◆ **Ethernet, GPIB or RS-232 Control**
- ◆ **Accepts Six Adapt-a-Switch™ plug-ins**
- ◆ **EMI/RFI Shields Between Plug-ins**
- ◆ **Two-slot, C-size VXIbus**

Modular VXIbus Switch Carrier

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. Racal Instruments 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.

EADS
NORTH AMERICA
DEFENSE

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 H20

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 45o

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, 30oC

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
Racal Instruments 1260-100, Adapt-a-Switch® VXIbus Switch Carrier	407655