

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

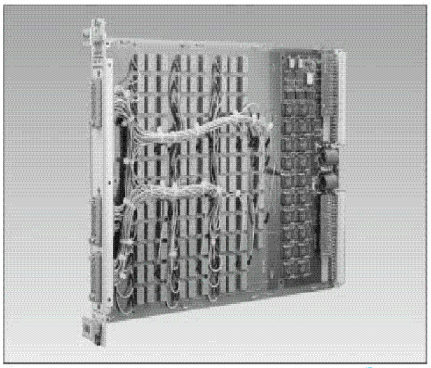
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Astronics / EADS / Racal 1260-51* at our website: ***Click HERE***

RACAL INSTRUMENTS™ 1260-51



400 MHz RF Matrix

- **Configurable as 2x6, 2x12 or 2x36 RF Matrix**
- **400MHz Bandwidth**
- **Software Configurable—No Jumpers!**
- **Switches 30 Watts, 0.5 Amps and 125VAC**
- **High Density Coaxial Interfaces**
- **Excellent for Oscilloscope or Time Interval Counter Measurements**

Racal Instruments™ 1260-51 is ideal for high performance RF switching. Its 400MHz bandwidth makes the 1260-51 an excellent switch module for medium-speed digital, datacomm and most analog signals.

The 1260-51 is an excellent choice for switching high frequency signals to an oscilloscope or counter/timer. Its wide bandwidth ensures that the test equipment sees fast, transient signals. The1260-51 is also ideal for switching high frequency signal sources, such as the Racal family of waveform synthesizers and signal generators, to the unit under test.

The 1260-51 consists of six, 2x6 matrices that may be combined into three, 2x12 or one, 2x36 matrix. The module automatically configures interconnection relays to achieve the path desired.

The 1260-51 provides a low noise switch path with excellent crosstalk and isolation. This performance allows the 1260-51 to switch signals in critical tests of amplifiers, receivers and other active devices.

Relay coil-current monitoring is available to provide confidence checking by assuring the user of proper relay operation.

The 1260-51 is controlled by the Option 01 Smart Control Module which is explained in detail on a separate data sheet. All 1260 series control features are available on the 1260-51.

EADS NORTH AMERICA DEFENSE

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

1260-51 PRODUCT SPECIFICATIONS

Maximum Switching Power
62.5 VA, 30W
Maximum Switching Voltage
125VAC, 110VDC
Maximum Switching Current
0.5A AC
0.5A DC
Thermal EMF
<20uV
Insulation Resistance
High to Low >100 MΩ
High to Chassis >100 MΩ
Low to Chassis >100 MΩ

DC PERFORMANCE

Path Resistance
<1.5Ω

AC PERFORMANCE (into 50Ω)

Capacitance
Open Channel, Input to Ground
<150pF (typical)
Closed Channel, Input to Ground
<200pF (typical)
Bandwidth (-3dB, 50Ohms)
400MHz (2x6 Basic cell)
(typical 2x36 cell, 325MHz)
Insertion Loss
<3dB @ 400MHz
(2x6 Basic Cell)
Return Loss / VSWR
14dB @ 100MHz
12dB @ 200MHz (typical)

Crosstalk
<-40dB to 100MHz
Isolation
>60dB to 100MHz, Minimum
>80dB to 100MHz, Typical
Switching Time (Including Settling)
5msec max.
Temperature
Operating: 0° C to +55° C
Non-Operating: -40° C to +75° C
Humidity
95 ± 5% RH non-condensing <30° C
75 ± 5% RH >30° C
45 ±99 5% RH >40° C
Altitude
Operating: 10,000ft
Non-Operating: 15,000ft
Shock (Functional)
30g, 11msec, ½ Sine Wave
Vibration, Non Operating
0.013 inch double amplitude, 5-55Hz

VXIBUS INTERFACE DATA

Cooling Requirements
Airflow: 2.0 l/s
Backpressure: 0.05 mm H_2O
With Option 01S/T
Airflow: 3.0 l/s
Backpressure: 0.2 mm H_2O

Peak and Dynamic Current

	+24V	+5V	+5V w/Option 01
I_{Pm}	6mA*	400mA	2.8A
I_{Dm}	0mA	75mA	225mA

** per energized relay*

Weight
3.2 lb (1.45 kg) without Opt. 01
3.5 lb (1.60 kg) with Opt. 01
Dimensions
C-size, Single-slot, VXIbus Module
MTBF
Without relays: ≥240,000 hours
Life Expectancy
>500,000 operations at 30VDC, 1A
>100 million mechanical operations
Typical Programming Syntax
Programming syntax is in the form:
"<module address>.<channel>"
Example: CLOSE 1.0020,0030
This CLOSE statement will close channel number 1 on the 1260-51 module at card address 2.

Note: Module is supplied with one set of mating connectors. Additional connectors can be ordered using the part numbers shown below.

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.

ORDERING INFORMATION

MODEL/DESCRIPTION	PART NUMBER
Racal Instruments 1260-51, 400MHz RF Matrix	407612
Option 01, Smart Card Module (installed)	OPT-401901-005
Option 01T, Smart Card Module (installed)	OPT-407531-001
Coax Pin for Model 1260-51	602220-900
Coax Cable Assembly, 1GHz Cables, with Pins at Each End, 2ft. (-003, 6ft, -006, 12ft)	407368-001
Crimp Tool for Coaxial Pin - Order Directly from Burndy Corp.	Order Direct

*One Option 01 must be ordered with switch card(s). Please specify the card on which Option 01 will be installed

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

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP