

ARTISAN®
TECHNOLOGY GROUP

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

Artisan Technology Group
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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.

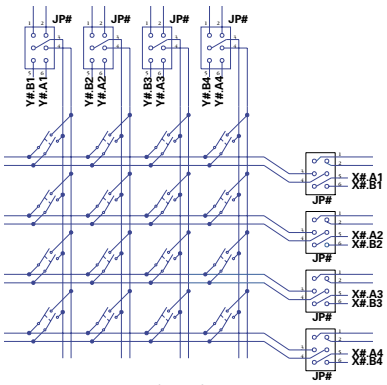
Custom engineering
so your equipment works exactly as you specify.

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

Expert team | Trust guarantee | 100% satisfaction

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1 of 9 (4 x 4)

Features

SMP4001 9 (4x4) 2-Wire Matrices
SMP4002 1 (4x36) 2-Wire Matrix
SMP4003 2 (4x16) 2-Wire and 1 (4x4) 2-Wire Matrix
SMP4004 1 (8x16) 2-Wire and 1 (4x4) 2-Wire Matrix
SMP4005 1 (12x12) 2-Wire Matrix
SMP4006 3 (4x12) 2-Wire Matrices
SMP4007 2 (8x8) 2-Wire Matrices
SMP4001-S-xxxx User-defined

Highest Density 2 A Matrix Available on the Market (4x216 in 2 VXIbus Slots)

Extensive Signal Shielding Employed on PCBs for Excellent Signal Fidelity

Matrices Built up Using 4x4 Building Blocks for Configuration Flexibility

2 A Switching per Path

2 A Matrix Switching

Overview

The SMP4000 series high-density matrix modules allow the user to connect any row to any column.

The smallest building block is a (4x4) 2-wire matrix, and rows and columns can easily be expanded to form larger matrices. A (4x216) 2-wire matrix can be accommodated in a double-slot VXIbus card (SM1200).

Various configurations are shipped from the factory, and the user also has the capability to define a custom configuration using the available 9 (4x4) building blocks.

Complete block diagrams for each configuration can be found in the SMIP//™ manual.

Specifications

Maximum Switching Voltage:	300 V ac, 300 V dc
Maximum Switching Current:	2 A
Maximum Switching Power:	60 W dc, 125 VA
Path Resistance:	<500 mΩ
Insulation Resistance:	>1x10^9 Ω
Maximum Thermal Offset per Channel (HI-LO):	<7 µV
Capacitance:	
Open Channel	<50 pF
Channel-Mainframe	<80 pF
High-Low	<50 pF
Bandwidth (-3 dB):	>45 MHz (SMP4001) >30 MHz (SMP4005)
Insertion Loss:	
100 kHz:	<0.1 dB
1 MHz:	<0.2 dB
10 MHz:	<1.0 dB
Crosstalk:	
100 kHz:	<-80 dB
1 MHz:	<-70 dB
10 MHz:	<-50 dB
Isolation:	
100 kHz:	<-80 dB
1 MHz:	<-60 dB
10 MHz:	<-50 dB
Rated Switch Operations:	
Mechanical:	1x10^7
Electrical:	5 x10^5 at full load
Switching Time:	<3 ms

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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.

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

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