

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.

Visit our website - *Click HERE*

Over 5000 VXI cards and mainframes in stock. 1000's of pieces of Test Equipment in stock.



Looking for Test Equipment? Visit us on the web at **www.recycledequipment.com**

Recycled Equipment buys, sells, and repairs VXI cards, VXI mainframes and Test Equipment. We have tens of thousands of pieces of Electronic Test Equipment and one of the worlds largest selections of VXI cards. We have VXI cards by almost every manufacture; from Agilent to Ziatech. **Every item on our website is IN STOCK and ready to ship with in 24 hours.**

Sell your equipment for cash
Recycled Equipment is interested in buying your surplus equipment! Call us today at **(410)685-1997** or email to **recycled@usimperio.com**

Sell your equipment on consignment
Recycled Equipment can sell your equipment on consignment. This allows you to get retail prices for your equipment with out the hassle.

(410)685-1997 sales@recycledequipment www.recycledequipment.com

SMP3001/3001DS



64-channel Multiplexers

Overview

The SMP3001 high-density multiplexer module is designed for scanning of multiple points to a common bus, in either 1- 2- or 4-wire configurations, either synchronously with an instrument (i.e., using triggers), or asynchronously with individual relay control. Up to 384 2-wire (or 768 1-wire) channels can be accommodated in a double-slot VXIbus card (SMP1200) for maximum density, or mixed and matched with other SMIP//™ cards for flexibility. Applications include cable harness testing, semiconductor and PCB testing, and applications where multiple points need to be switched to a common resource. All relays also have individual relay control, and each path allows for 2 A switching.

The SMP3001 consists of 8 individual (1x8) 2-wire multiplexers, or 8 (1x16) 1-wire multiplexers that can be interconnected under program control (via the bussing relays) to configure larger multiplexers as required. This eliminates external wiring and helps reduce unterminated stubs. All relays are also driven from the VXIbus +5 V supply line, since VXIbus mainframes always have ample current capacity on this supply line, as opposed to the +24 V or +12 V supply lines.

The SMP3001DS has internal residual voltage discharge relays which can be enabled to momentarily short out the measurement path when changing from one input channel to the next. This dissipates any voltage held by the wiring and instrument input capacitance. These relays protect sensitive devices, such as CMOS circuits, from residual voltages caused by previous high-voltage measurements. This feature can also be disabled in low-voltage applications where maximum throughput speed is important.

Features

SMP3001	1 x 64 2-wire Multiplexer
SMP3001DS	1 x 64 2-wire Multiplexer with Discharge Capability

- High-density Multiplexing/Scanning (1x768 in a VXI Double-slot)
- Built-in Configuration Relays Expand the 1x16 Multiplexer Building Blocks
- Internal Capacitive Discharge Relays Keep High Voltages from Disturbing Sensitive Measurement Points
- Extensive Signal Shielding Employed on PCBs for Excellent Signal Fidelity
- Break-Before-Make (BBM) and Make-Before-Break (MBB) Accomplished in Hardware, Considerably Improving Scanning Time

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:	<20 pF
High-Low:	<50 pF
Bandwidth (-3 dB):	>100 MHz

Recycled Equipment (410)685-1997 www.recycledequipment.com email: sales@recycledequipment.com
Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

64-channel Multiplexers

Insertion Loss:

100 kHz:	<0.1 dB
1 MHz:	<0.2 dB
10 MHz:	<0.5 dB

Crosstalk:

100 kHz:	<-90 dB
1 MHz:	<-70 dB
10 MHz:	<-50 dB

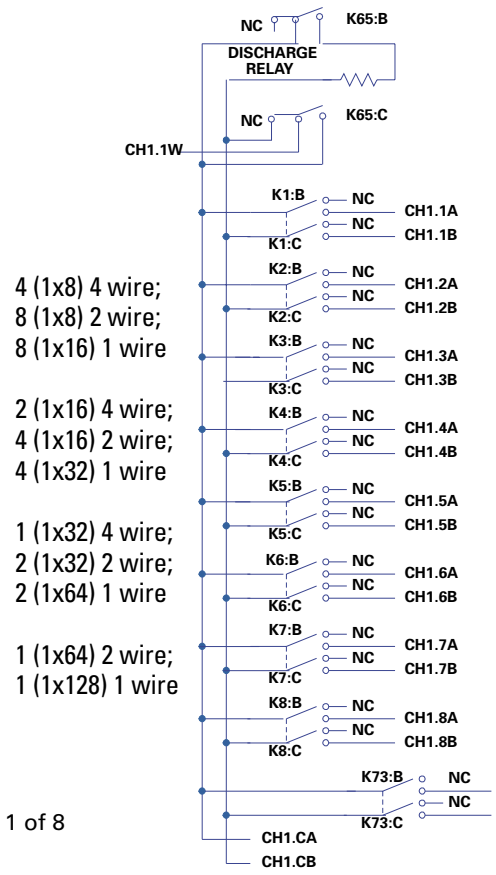
Isolation:

100 kHz:	<-90 dB
1 MHz:	<-70 dB
10 MHz:	<-60 dB

Rated Switch Operations:

Mechanical:	1×10^7
Electrical:	5×10^5 at full load

Switching Time: <3 ms



Recycled Equipment (410)685-1997 www.recycledequipment.com email: sales@recycledequipment.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