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**Data Sheet**

August 15, 2026

AMETEK / VTI INSTRUMENTS / VXI TECHNOLOGY

# Ametek / VTI Instruments / VXI Technology SMP1200 Double-Slot Base Unit

Ametek / VTI Instruments / VXI Technology SMP1200 Double-Slot SMIPII Switch Base Unit The Ametek / VTI Instruments / VXI Technology SMP1200 is a double-slot VXIbus SMIPII base unit that houses up to six high-density switch modules. Scanners, multiplexers, power, general-purpose, and RF cards can share one double-slot card. A 1 × 768 one-wire multiplexer can be accommodated in the SMP1200. All switch modules are removable from the front panel for maintainability. High-density ATE switching, multi-function VXI switch cards, and DC-to-RF modular signal routing. The Ametek / VTI Instruments / VXI Technology SMP1200 is a double-slot VXIbus SMIPII base unit that houses up to six high-density switch modules. Scanners, multiplexers, power, general-purpose, and RF cards can share one double-slot card. A 1 × 768 one-wire multiplexer can be accommodated in the SMP1200. All switch modules are removable from the front panel for maintainability. High-density ATE switching, multi-function VXI switch cards, and DC-to-RF modular signal routing. Double-slot VXI base holding up to six switch modules



## MODEL

**Ametek / VTI  
Instruments / VXI  
Technology  
SMP1200**

## CALIBRATION

**Available on  
request**

## CONDITION

**Used**

## STATUS

**In stock**

## RFQ / SKU

**SMP1200**

## LISTING

<https://aumictechlabs.com/products/smp1200-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The Ametek VTI Instruments SMP1200 is a double-slot VXI base unit that is the foundation for integrated modular test systems. It has power distribution, thermal management, and VXIbus communication infrastructure to support connected VXI modules in automated test equipment and data acquisition applications. The unit accommodates two standard VXI-compatible modules with integrated power supply and cooling mechanisms.

**Technical Specifications**

**Chassis Type:** VXI Base Unit

**Slot Configuration:** Double-slot architecture

**Module Accommodation:** Two dedicated slots for standard single-width VXI modules

**Power Distribution:** Integrated power supply and distribution for connected VXI modules

**Thermal Management:** Built-in cooling mechanisms for managing thermal loads from populated modules

**Communication Protocol:** Supports standard VXIbus communication protocols for inter-module and system controller data exchange

**Key Features**

- Standard VXIbus interface connectors for direct module integration
- Control and monitoring interfaces for system integration
- Compact double-slot architecture optimized for space-constrained applications
- Modular design supporting scalable test configurations
- Industrial-grade construction suitable for laboratory and field deployment

**Typical Applications**

- Automated test equipment (ATE) systems
- Data acquisition platforms
- Aerospace and defense testing environments
- Signal conditioning and instrument integration
- Multi-instrument test configurations requiring modular flexibility

**Compatibility & Integration**

The SMP1200 integrates with any VXI system controller that supports the VXIbus standard. Module integration of form factor compatibility and power consumption against the unit's output specifications. The two-slot configuration provides flexibility for single or dual-module deployments within VXI-based test architectures.

## SMP1200 Characteristics / Specifications

| PARAMETER                  | VALUE                                                                          |
|----------------------------|--------------------------------------------------------------------------------|
| Model                      | SMP1200                                                                        |
| Instrument Type            | double-slot SMIPII switch base unit                                            |
| Bus Standard               | VXIbus C-size class switching base                                             |
| Slot Width                 | double slot                                                                    |
| Switch Modules Supported   | up to 6                                                                        |
| One Wire Mux Example       | 1 × 768                                                                        |
| Module Removability        | front panel removable                                                          |
| Family Name                | SMIPII                                                                         |
| Switch Classes Supported   | Power General Purpose Multiplexers Matrices RF Relay Drivers Loads Digital I/O |
| Companion Single Slot Base | SMP1100                                                                        |
| Frequency Class            | DC to RF family switching                                                      |
| Configuration Steps        | base then modules then mating connectors                                       |
| Product Series             | SMP1xxx                                                                        |
| Platform                   | VXIbus modular instruments                                                     |
| Carrier Role               | houses plug-in switch daughter modules                                         |
| Mix Match                  | different switch module types allowed together                                 |
| Density Focus              | maximum SMIPII module count per card                                           |
| Gp Relay Example Density   | up to 480 SPST in two slots with SMP5001 class modules                         |
| Mating Connectors          | selected per installed switch modules                                          |
| Family Alias               | SMIP II                                                                        |
| Base Unit Family           | SMP1100 and SMP1200                                                            |
| Module Role                | plug-in switch or I/O daughtercard                                             |
| Field Service              | front removable modules on bases                                               |
| Mix Capability             | power GP mux matrix RF driver modules                                          |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

| Specifications                                                                                    |                                                                                |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
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| Field Service                                                                                     | front removable modules on bases                                               |
| Mix Capability                                                                                    | power GP mux matrix RF driver modules                                          |
| Notes                                                                                             |                                                                                |
| From VTI Instruments SMP1100/1200 datasheet overview. Per-channel ratings depend on the installed |                                                                                |

SMP2xxx/3xxx/4xxx/5xxx/75xx modules.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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<https://aumictechlabs.com>

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30-day returns  
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Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.