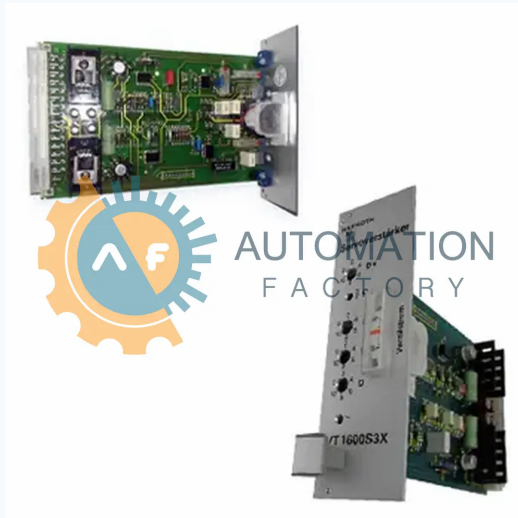


Bosch Rexroth Indramat — VT 1600 Servo Amplifiers

VT 16000-2X-110

[Call For Quote](#)

- ☒ Get a Quote in 5 minutes
- ☒ Parts ship in as little as 24 hours
- ☒ Up to half the cost of the manufacturer



Secure Online
Checkout



Free Ground
Shipping



One Year
Warranty

The **VT 16000-2X-110** is a servo amplifier card produced by Bosch Rexroth Indramat, and it belongs to the VT 1600 Servo Amplifiers series. In a multi-axis hydraulic press or motion system, it conditions feedback signals and drives valves so the PLC can maintain target positions and forces. By integrating cam profiling with position, pressure, and synchronization loops, the card provides closed-loop control for up to four hydraulic axes within larger SIMATIC-based automation cells.

Each combination module attached to the amplifier supplies **8 analog inputs and 4 analog outputs**, enabling proportional reference updates and sensor feedback on every axis. A separate digital board provides **8 digital inputs and 8 digital outputs** for limit switches, interlocks, and diagnostic flags. For motion feedback, the controller accepts **2 incremental and 4 SSI encoder inputs**, while the backplane supports analog, incremental, and SSI interfaces so mixed transducers can operate in one rack. The hardware stores **32 cross-axis cams** that coordinate cylinder triggering with master motion. The controller can process commands for **4 hydraulic axes** simultaneously. Up to four plug-in peripheral modules can expand fieldbus or memory capacity when complex tooling requires additional resources.

Application logic runs on the **IP252mH platform**, allowing the controller to manage a **maximum of 2000 NC sets** for detailed stroke tables and sequence steps. A PLC selects these data sets through the **SIMATIC S5-115U, S5-135U, S5-155U, or S7-400 interface**, allowing compatible Siemens controllers to direct hydraulic motion through the established control program. Fine-tuning is handled by the **PDT1 position controller**. Complementary control

Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.

functions include a PIDT1 pressure and force regulator and a PI synchronization controller that aligns slave axes with a master axis. When higher-level coordination is required, available peripheral-module slots can accept communication cards for supervising additional sensors or field devices without exceeding the four-module limit.

Specifications

Analog I/o Per Combo Module:	8 In / 4 Out	Controller Platform:	IP252mH	Cross-axis Cams:	32
Digital I/o Per Module:	8 In / 8 Out	Encoder Capacity:	2 Incremental / 4 SSI	Encoder Interfaces:	Analog, Incremental, SSI
Hydraulic Axes:	4 Max	Nc Sets:	2000 Max	Peripheral Modules:	4 Max
Plc Compatibility:	SIMATIC S5-115U/S5-135U/S5-155U/S7-400	Position Controller:	PDT1	Pressure/force Controller:	PIDT1
Synchronization Controller:	PI	Last Verified:	10/28/2026 11:33 PM		

Contact Us

-  1620 Old Apex Road, Cary, NC 27513, USA
-  **Toll Free:** [1-888-551-3082](tel:1-888-551-3082)
-  **International:** [1-919-443-0207](tel:1-919-443-0207)
-  **Fax:** [1-919-867-6204](tel:1-919-867-6204)
-  **Email:** sales@wakeindustrial.com

Shipping Options



Payment Methods



Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.