

# Gateway 500, 530 and 550 Converters

JBM Electronics' Gateway 500 (G500), 530 (G530) and 550 (G550) are designed for users who need to support Legacy protocol devices in an Ethernet network. The G500 converts Legacy protocols to TCP/IP or UDP for connection to a 10/100BaseT network or device. The G530 provides three serial ports for protocol conversion and the G550 provides five serial ports.

The Gateways can also interface IP-only devices to a Legacy protocol network. The Gateways can provide terminal emulation for the IP device, providing a unique migration path for a remote location. This capability allows an IP device to coexist with an older protocol network.

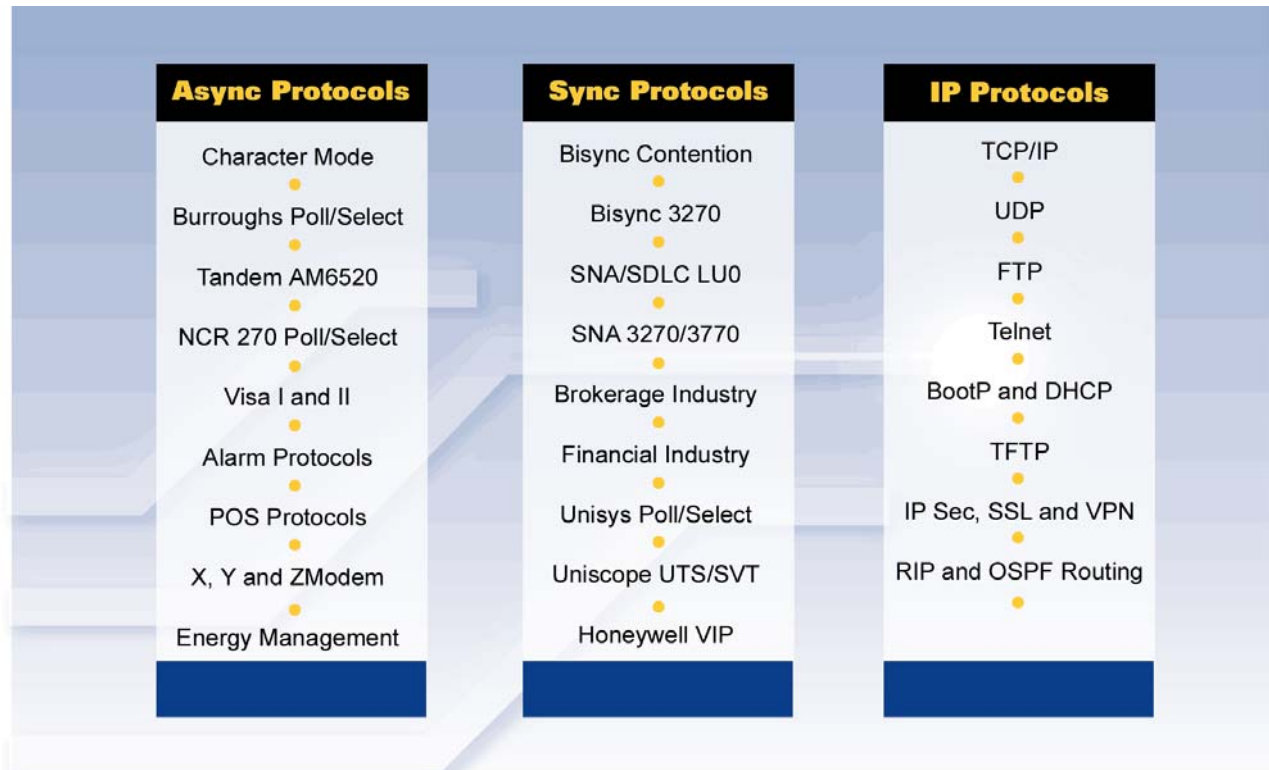
## Applications

The Gateways offer several advantages in customer networks, including:

- Converts data from Legacy protocol devices to Ethernet, providing a migration path to an IP-based network.
- Allows TCP/IP devices to access a Legacy protocol network.
- Offers intrusion protection with an integrated Stateful Inspection Firewall.
- Provide secure communications with SSL, IPSec encryption and VPN tunneling software.
- Provides host and terminal emulation for all polled protocols, which allows up to 100 physical devices to be connected to one serial port.
- Offers RIP, OSPF and BGP routing for IP data.
- Supports several different types of Legacy Protocol data streams in a single unit, with ability to route data between different serial ports within the unit.
- Simplifies network design and integration with a wide range of connection options coupled with the integrated security.
- Provides special support software for ATMs and POS devices to enhance error reporting and recovery.
- Concentrates multiple Legacy protocol applications from one location without replacing existing devices. Existing applications are supported with protocol conversion; data format manipulation, text manipulation, custom data translation, unique network addressing, or specialized host or terminal messaging. The port routing features can enhance current application support.
- Offers custom modifications to handle unique user requirements, such as text or data manipulation, special log-in commands, host application messages, or data translations.

## Protocol Support

The Gateways support many standard LAN and serial protocols, including the following:



The Gateways' protocol support includes local polling (spoofing) of attached devices and Client and Server support for the IP protocols.

## Benefits

The Gateways simplify network design by eliminating the need for network changes to handle Legacy protocols. This can save money by using Ethernet ports on the network device instead of serial ports. The conversion also eliminates the need for a separate network for the legacy protocol. The configuration management provides enhancement support for the Legacy devices. The Gateways can help protect the investment in Legacy devices when moving to an IP network.

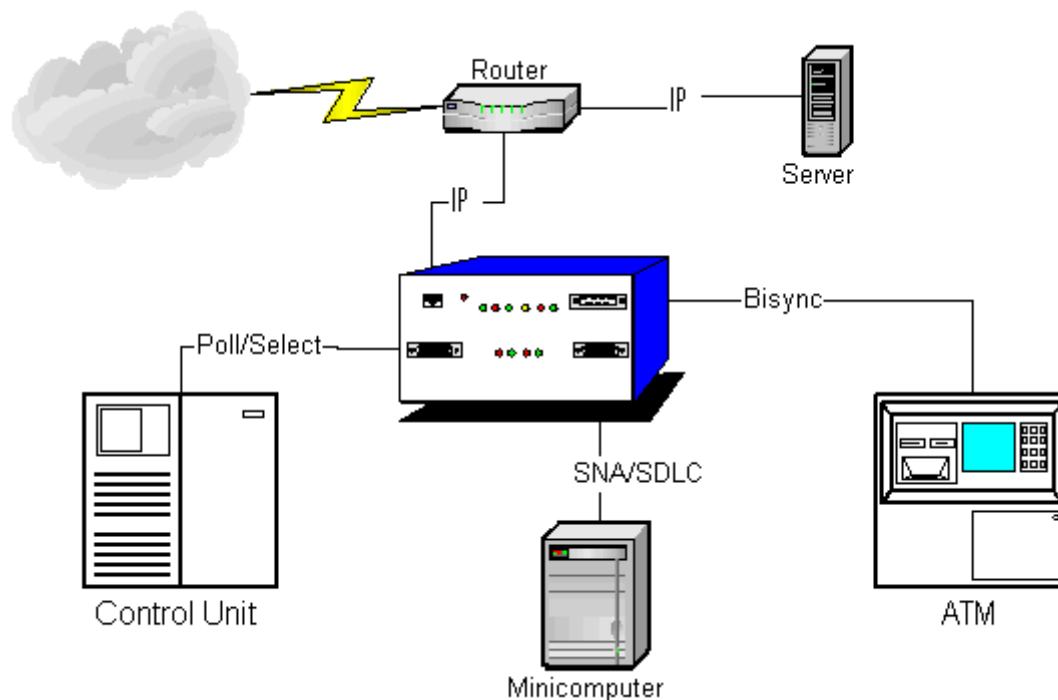
The Gateway's security software can be used to protect attached devices from unauthorized access or establish a Virtual Private Network (VPN) to connect separate locations into a secure network using Internet connections.

## Security

The Gateways provides an integrated suite of security modules, which offer protection from outside attack and preserve the integrity of the data. The modules include a Firewall, SSL, IPSec and VPN Client, NAT and DHCP Servers. The Gateway uses a straight-forward system to implement and configure the individual modules.

## Network Diagram

This drawing illustrates a configuration using a G530. All of the Gateways provide the same IP connectivity. The only difference is the number of serial and Ethernet devices that can be attached.



The Gateways can be ordered with Frame Relay connections using an internal or external DSU. With the frame card, the Gateways provide a complete router replacement with full protocol conversion.

## Diagnositics

The Gateways can be configured through CLI commands entered via Telnet interface. The Telnet connection provides command and control of the Gateways. SNMP Traps provide notification of major events in the Gateways. All of the protocol-specific diagnostics, such as LUSTATS, Notify and Status and Sense Bytes are supported. Extensions to the Telnet or SNMP commands are available as a special order.

## Gateway Specifications

Serial Port:	Baud Rate:	110-56,000 bps
	Interface:	One Female DB-25 connector (G500), Three Female DB-25 connectors (G530), Five Female DB-25 connectors (G550), RS-232C/V.35, DCE mode, DTE mode with adapter cable
LAN Port:	Ethernet:	10/100BaseT
		One Female RJ-45 connector
Console Port:	Baud Rate:	Up to 115,200 bps
	Interface:	One Male DE-9, RS-232C DTE mode DCE mode with adapter cable
LED Indicators:	Serial Port(s):	TD and RD (each port)
	LAN Port:	Link, Transmit, Receive
	Power:	On/Off State
Management:	Console Port:	CLI Access through async connection
	IP Protocol	SNMP and Telnet or SSH
Power:	120-240 VAC, 50/60 Hz (Internal)	
Physical:	Size:	6.5" W x 3.5" H x 10" L
	Weight:	5 pounds
Processor:	486DX-100	
Memory:	32 MB RAM, 128 K BRAM, 16MB Flash	
Warranty:	1 Year Parts and Labor	

The Gateways are listed by a NRTL to UL 1950 standards, meets FCC Class A regulations and complies with the CE Statement for the European Low Voltage Directive 73/23/EEC.

Prices and specifications are subject to change without notice.

The Gateway 500, 530 and 550 are part of JBM Electronics' Gateway family of communication devices. The Gateways provide support for many LAN and WAN protocols in a variety of different levels of functionality. A wide variety of expansion options are available for the Gateways. Contact JBM Electronics for details.