

Gateway C114 Router

Connect async devices to a high-speed Ethernet Network with VPN or SSL Security and Fallback

The JBM Electronics Gateway C114 is a compact router designed to economically connect devices to a Local Area network. This Linux-based router allows async devices access to a Ethernet network with optional fallback to the POTS network. The C114 provide protocol conversion, security and routing for the terminal's data. The integrated fallback modem provides a second path in the event of a disruption of the Ethernet connection.

The C114 can also interface Ethernet devices directly to the dial network for primary or fallback connections. The C114 can dial a local ISP or a remote central site using SSL or VPN encryption.

The C114's low price point and advanced features provides a simple solution that can be deployed in a variety of network environments. The C114 provide all of the processing capabilities needed to interface terminal devices to the host system, including custom headers, data manipulation and special routing. The Gateways' fallback and management capabilities allow the units to be quickly integrated into existing networks and management systems.



Benefits

- Complete TCP conversion without tunneling
- Tremendous improvements in transaction speeds
- Automatic fallover in the event of a circuit diuruption
- Lower capital expense by continuing to use existing equipment
- Quick and easy to install
- Support different processors through application- specific headers
- Select TCP session and header format via dial string or data
- Facilitate remote management via IP connectivity using Telnet or SNMP
- Improve overall manageability of remote devices and reduce truck rolls

Features

- Two 10/100BaseT Ethernet port
- One Async RS-232C port
- One 56 KB V.92 modem for fallback
- Firewall, NAT and Port Forwarding
- VPN, SSL and 3DES Support
- DHCP Client and Server
- Dynamic DNS Support
- IP Routing
- Web based configuration and management

Features & Functionality

Security

All of the JBM Gateways have a full range of Linux security features including SSL client/server, IPSEC VPN client/server, Manual or Dynamic Keys, 3DES encryption, Network Address Translation (NAT), transparent bridging mode, IP and Port filtering, and intrusion protection with an integrated Stateful Inspection Firewall.

Router Functionality

The IP Connector Series offers full IP routing functionality supporting Static, RIP, OSPF, and BGP routing. The Gateways support DHCP, DHCP client, PPP, and PPPoE for broadband users.

Fallback Routing

One of the Gateway's key features is the ability to perform fallback routing. Fallback routing enables a user to configure alternate paths to the host or to several hosts for disaster recovery. The fallback path can be to a different IP server or with a properly equipped Gateway, through a different connection such as a cell or dial modem.

Management

The JBM Gateways can be configured through CLI Command entered via console port or Telnet. The Telnet connection provides command, control, and monitoring of the Gateways. SNMP is supported with SNMP Traps providing notification of major events in the Gateways. SSH is also supported for security of the management connection. Extensions to the Telnet or SNMP commands are available as a special order.

Dial-Tone Support

The Dial-Tone circuitry provides a dial tone for dial-only async devices. This dial tone simulator and associated modem allows for a simple, non-disruptive connection to a dial only device. The Gateway can route the data based upon the data or phone number dialed (DTMF recognition). This connection supports both legacy async protocols and async PPP. The modem component can also be used as a normal async modem (C201 only). The dial-tone support can be used to dial the attached device. This capability allows a remote application to connect on demand for management and diagnostic purposes.

IP Header Manipulation

Unlike many competitors, the Gateways support Data and Header manipulation allowing seamless access into many host systems. This important, customizable feature allows the customer to change the content or format of the IP headers. This capability gives the customer the flexibility to connect to any transaction processor or host system.

Data and Phone Number Routing

In addition to the header manipulation, the Gateways can perform routing based upon the dial phone number or specific data fields. The routed message, built with the processor-specific header, can be sent to the remote destination. This capability allows the Gateway to support many unique processors with all of the conversion occurring at the network's edge.

Protocol Conversion

All of the JBM Gateway products support protocol conversion, and when it comes to protocol conversion, JBM is the industry leader with over 50 different protocols in our software library. Protocol conversion is necessary when converting a host to IP or introducing a new Transaction Switching System. Our Gateway products provide our customers with a seamless and non-intrusive migration to IP. The C101 and C111 routers support conversion of most financial async protocols.

Product Specifications

LAN Port:	Ethernet:	Two 10/100BaseT
	Interface:	Female RJ-45 connector
Async Port:	Baud Rate:	110-56,000 bps
	Interface:	Female DB-9 connector, RS-232C, DTE mode, DCE mode with adapter cable
Modem Port:	Baud Rate:	Up to 56 KB (V.92 technology)
	Interface:	Female RJ-11 connector
Console Port:	Baud Rate:	Up to 115,200 bps
	Interface:	Female DE-9, RS-232C DCE mode, DTE mode with adapter cable
Operating System:	Embedded Linux 2.4 Kernel	
Management:	Console Port:	CLI Access through async PPP connection
	IP Protocol:	SNMP and Telnet or SSH
LED Indicators:	LAN Port:	Link, Transmit, Receive
	Serial Port:	Transmit, Receive
	Dial Tone Port:	CO, Transmit, Receive
	Power:	On/Off State
Power:	12V DC (External) 120-240 VAC, 50/60 Hz	
Physical:	Size:	7" W x 1.4" H x 6" L
	Weight:	2 pounds
Processor/Memory:	486DX-100, 32 MB RAM, 16MB Flash	
Warranty:	1 Year Parts and Labor	