Port Definition Name:	_____
Interface:	RS-232C, V.35
Line Speed:	115200, 57600, 38400, 28800, 25600, 19200, 14400, 9600, 7200, 4800, 3600, 2400, 1800, 1200, 600, 300, 110
Port Mode:	DCE, DTE
Transparency:	Yes, No
Flow Control:	RS232, Xon, None, RS232 & Xon
Parity:	Odd, Even, Space, None
Word Length:	7, 8
Stop Bit:	1, 2
EOM Character:	0x _____ Hexadecimal Value
SOM Character:	0x _____ Hexadecimal Value
Echo RX Async Data:	Enable, Disable
New Line Conversion:	CR, CR + LF
Transmit EOM to Network:	Yes, No
Transmit EOM to Device:	Yes, No
CR Translation:	CR, RS
EOM Defined:	Yes, No
Integrity:	Yes, No
Character Timeout (ms) x 10:	_____
File Transfer Mode:	ASCII, XModem

Attachable Protocols:	None, Pure Visa, MPS Visa 1, MPS Visa 2, NCR ATM, Xmodem, Buypass, NCR/NDP. SNTP/INTPv4
Special Async Devices:	Autogas POS, Autogas Console, Delta, Ruby, Ruby Man, RPCI, OMNI, Brinks, Autogas SMS, None

Other Parameters

Manipulation of Data:	Yes, No
Independent Activation:	Yes, No
Headers:	Yes, No

Instructions

This section contains the instructions for the Async. With this protocol, sending and receiving systems do not synchronize transmissions. A system receiving a sequence of data-bits (one-at-a-time) cannot interpret them as distinct characters. A start-bit and one or two stop-bits are added by the modem (often along with a parity-bit for error detection) to each 8-bit character. Usually, but not always, a "1" data-bit is used for a start-bit. (It tells the receiving modem that more data will follow.) The seven or eight bits that follow it define a character-byte. For high speeds, a single stop-bit is used to indicate that the previous 8 bits define an ASCII character-byte. For slow speeds, two stop-bits may be used. Stop bits are usually, but not always, a "1" data-bit. Without the start- and stop-bit frame, the receiving device would not be able to identify the bits for conversion back to 8-bit characters, or detect transmitted errors. All program default options are shown in ***italics***.

Port Mode: DCE, *DTE*

This option determines if the Gateway DB-25 Connector will provide clocking to the attached device. If so, select DCE. If the attached device (for example: modem) will provide clocking to the port, select DTE. The port setting on the Gateway must be the opposite of the attached device. If a DTE interface is required, a special adapter (G50 or G1000 adapters, depending on which unit you have purchased) is required. This adapter is not used on the Gateway 1000-SPC.

File Transfer Mode: ASCII, *XMODEM*

This option is used to specify what file transfer protocol is used.

Transparency: Yes, *No*

The Gateway supports binary data. When implemented (Yes), the port will not convert the data to ASCII. The async device must support binary data transmissions. If the option is not selected (No), the port will convert any binary data to ASCII.

Line Speed: *115200*, 76800, 57600, 38400, 28800, 25600, 19200, 14400, 9600, 7200, 4800, 3600, 2400, 1800, 1200, 300, 110

The selected line speed must match the speed of the attached async device/network.

Flow Control: *RS232*, Xon/Xoff, None, RS232 & Xon

The value selected for this parameter specifies the method used to prevent data overflow.

RS232 is a hardware method, which uses the special signal handshaking based on the selected RS-232C or V.35 mode. This method is a positive type where the terminal must indicate that it is ready before the data is sent.

Xon is a software flow control where the terminal will always accept data until an Xoff is sent. This method is not as reliable as hardware flow control.

RS232 & Xon control combine the best features of hardware and software flow control.

Parity: Odd, Even, Space, *None*

The selected parity must match the speed of the attached async device/network.

Word Length: *7*, 8

The selected Word Length must match the speed of the attached async device/network.

Stop Bit: *1*, 2

The selected number of Stop Bits must match the speed of the attached async device/network.

EOM Character: _____

The End of Message (EOM) character specifies the end of the async message. This is the equivalent of the Transmit or Send Key.

SOM Character: _____

The Start of Message (SOM) character specifies the beginning of the async message. If a special character is desired to indicate the beginning of a message, type the corresponding ASCII character here.

Echo Rx Async Data: Enable, *Disable*

This option specifies a software echo of the data from the async device.

New Line Conversion: *CR*, CR+LF

This option supplies a New Line capability for printers without a New Line function. If CR is selected, then the Gateway will transmit a Carriage Return (CR) when one is received from the network. If CR and LF is selected, the port will transmit a CR/LF when a CR is received from the network.

Interface: *RS232*, V.35

This field defines the electrical value used by the port. If V.35 is selected, a special adapter cable must be used if the V.35 connector is required.

Integrity: Yes, *No*

This option is reserved, and settings are ignored for this protocol.

Transmit EOM to Network: *Yes*, No

This option specifies whether an End of Message (EOM) delimiter is sent to the network.

Transmit EOM to Device: *Yes*, No

This option specifies whether an End of Message (EOM) delimiter is sent to the attached device.

CR Translation: *CR*, RS

This option specifies whether Carriage Returns are translated to Record Separators.

Character Timeout (ms)x10: _____

On timer expiration, the Gateway will forward message received to the routed device. If a value of 65535 is used, the Gateway will buffer the message until a busy state or an End of Message (EOM) is received. The entered value is multiplied by 10 to get the timeout in milliseconds.

EOM Defined: *Yes*, No

This option specifies whether an End of Message (EOM) character is defined.

Attachable Protocols: *None*, Pure Visa, MPS Visa 1, MPS Visa 2, NCR ATM, Xmodem, BuyPass, NCR/NDP, SNTP/NTP v4

This option determines if the Gateway adds special protocol level processing to the data portion of the message. If this processing is required, select the appropriate protocol.

Special Async Devices: Autogas POS, Autogas Console, Delta, Ruby, Ruby Man, RPCI, OMNI, Brinks, Autogas SMS, *None*

Dedicated routines for specific customers, contact JBM for further details.

Manipulation of Data: *Yes*, No

This option is reserved and settings are ignored in this protocol.

Headers: *Yes*, No

This option strips the header from data before it is sent to the host. The header consists of the AID Byte and the cursor location.

Independent Activation: Yes, *No*

This option determines if the async side of the Gateway will accept data BEFORE the other side (as defined by the routing table) is active. At least one of the two sides in the routing table must be set for Independent Activation. If neither side is set, then the Gateway will not accept data. This function provides integrity for the Gateway by preventing data from being accepted until it can by routed to the other address (connection) and successfully delivered.