

JBM Electronics

Gateway Model C20

Thank you for purchasing a Gateway C20. The C20 connects an asynchronous device to a broadband (Ethernet) network.

UNPACKING INSTRUCTIONS

1. Unpack the C20.
2. Verify the following components are enclosed (*Figure A*).

Figure A Package Contents

Power Supply
(United States)



(Front - Terminal)



(Back - Ethernet)

Note: Non-US power supplies require customer-supplied power cord to connect power supply to AC power outlet.

3. If any items are missing, please contact **JBM** at **1-800-489-7781**.

CABLING (*user-supplied*)

9-Pin Male DTE RS-232 Port (*Table A*)

Table B lists the pins utilized and connected in the DTE RS232 Port (ttyS8) located on the front of the C20. This port is designed to connect to a DCE device such as a modem.

TABLE A 9-Pin Male DTE RS-232 Port			
PIN	INBOUND	OUTBOUND	DESCRIPTION
1	*		Data Carrier Detect
2	*		Receive Data
3		*	Transmit Data
4		*	Data Terminal Ready
5			Signal Ground
6	*		Data Set Ready
7		*	Request To Send
8	*		Clear To Send
9	*		Ring Indicator

Ethernet Cables *(Tables B&C)*

The tables below list the required pins used in the Straight *(Table B)* and Crossed-wired *(Table C)* 10BaseT cables.

TABLE B - STRAIGHT 10BASET	
PIN	DESCRIPTION
1	TD+
2	TD-
3	RD+
4	-
5	-
6	RD-
7	-
8	-
Used for HUB or Switch	

TABLE C - CROSSED 10BASET	
CONNECTOR A	CONNECTOR B
1	3
2	6
3	1
-	-
-	-
6	2
-	-
-	-
Used for direct PC connection	

CONFIGURATION

1. Collect information about the configuration setup.
2. Complete Configuration Setup Worksheets. Worksheets located at: [http://
http://jbmelectronics.com/tech/workdir.htm](http://http://jbmelectronics.com/tech/workdir.htm)
3. Attach the power supply connector to C20 and connect power supply plug to an AC power outlet.
4. Verify Power *(red)* LED is lit to indicate that the unit is receiving power.
5. Attach the Ethernet cable to the RJ-45 jack of the C20 *(back)*. The other end of the Ethernet cable can be attached to either:
 - *Hub or switch, using a straight Ethernet cable. (Table B)*
 - *Host PC directly, using an Ethernet cross-wired cable. (Table C)*
6. Verify your PC is connected on the same segment as the C20 and that the connection between the PC and C20 is not restricted by the hub or switch. The C20's default IP address is 192.168.0.35.
7. Launch a web browser.
8. Access the Embedded Web Server by entering the C20's default IP address (192.168.0.35) into the Address Bar as shown: <http://192.168.0.35>
 - *Between configuring units with the same I.P. run the following command in MS Dos or Command Prompt: `arp -d *`*
 - *Figure B will be displayed when the connection is successfully established. This Figure lists all major options defined in the C20.*
9. Click the *Configure tab* in the Information Page *(Figure B)* to begin.

Note: The C20 ships without a password.

HARDWARE STATUS LEDS		
Power	RED - Power connection status	
	<i>ON</i>	Power is being received by the C20
	<i>OFF</i>	Power is not being received by the C20
Ethernet:	Green – LAN connection status	
	<i>ON</i>	C20 is connected to LAN
	<i>OFF</i>	C20 is not connected to the LAN, or the C20 is in the process of being reset
	Yellow – Data communications activity status	
	<i>ON-OFF-ON (Flickering)</i>	Packets are being seen by the C20
	<i>STEADY</i>	No data activity is being seen by the C20
RS232 (async)	Green – Transmit status	
	<i>ON</i>	Data is being transmitted on the serial port
	<i>OFF</i>	Data is not being transmitted on the serial port
	Yellow – Receive status	
	<i>ON</i>	Data is being received on the serial port
	<i>OFF</i>	Data is not being received on the serial port

SPECIFICATIONS		
LAN Port:	<i>Ethernet:</i>	One 10BaseT
	<i>Interface:</i>	Female RJ-45 connector
RS232 Port:	<i>Baud Rate:</i>	110-115,200 bps
	<i>Interface:</i>	One Male DE-9 connector, RS-232C, DTE mode
Management:	<i>IP Protocol:</i>	Embedded Web Server
LED Indicators:	<i>LAN Port:</i>	Link, Active
	<i>Async Port:</i>	Transmit, Receive
	<i>Power:</i>	On/Off State
Power:	9–29 VDC (External) 120 VAC, 50/60 Hz	
Physical:	<i>Size:</i>	3.75" W x 1.75" H x 5" L
	<i>Weight:</i>	4 ounces
Warranty:	1 Year Parts and Labor	

For further information, please refer to the following:

- FCC link: <http://www.jbmelectronics.com/general/fcc.htm>
- Warranty information: <http://www.jbmelectronics.com/general/warren.htm>