



CRN TECNOPART, S.A.

Sant Roc 30
08340 VILASSAR DE MAR (Barcelona)
Tel 902 404 748 - 937 591 484 Fax 937 591 547
e-mail: crn@crntp.com [http:// www.crntecnopart.com](http://www.crntecnopart.com)

BrainChild

BC-140.42E

NETWORKING PRODUCTS

PC-E (RS232/485 TO ETHERNET CONVERTER)

This type of Ethernet converter / Gateway is capable to link any serial (RS-232 or RS485) devices to your computer network via Ethernet for access control or remote control and monitoring purposes.



FEATURES

- Serial to Ethernet communication
- DIN Rail/Panel Mount
- COM1: RS232/RS485, RJ45 for Ethernet connectivity
- Application: Connects IO modules, controllers, HMI with Ethernet Network
- Function: Transparent data link or Gateway to convert Modbus RTU to Modbus TCP messages
- Support Multiple sockets enables up to 4 Masters to communicate with slaves connected to PC-E converter
- Web server for Configuration

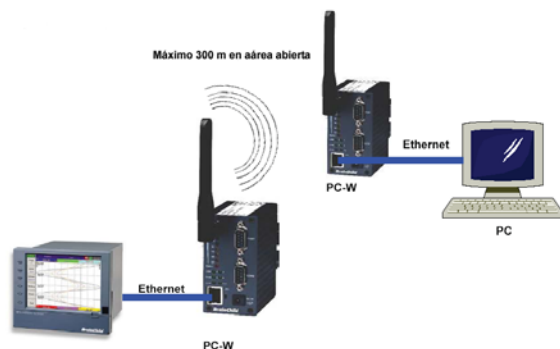
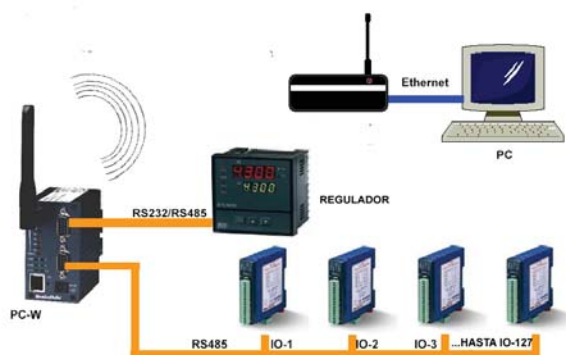
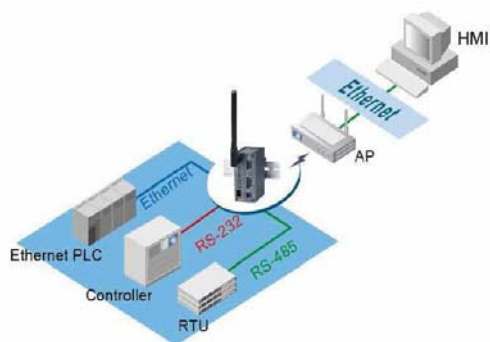
SPECIFICATIONS

Ethernet	10/100 Mbits, Connector RJ45
Power supply	90mA @ 10VDC / 40mA @ 26VDC
Interface	RS232, 3 wire, TX, RX y GND RS485, 2 Wire Multi drop twisted pair
Baud rate	2400, 4800, 9600, 19200, 38400, 57600, 115200
Data bits	5, 6, 7, 8
Parity	None, Even, Odd
Stop bits	1, 2.
Connections	Power and Communication: 8 way screw connector
Operating Temperature	-10°C to + 50°C
Storage Temperature	-40°C to + 85°C
Humidity	Up to 95% non-condensing
Mounting	En carril Din
Dimensions	70 x 59,5 x 106 mm
Weight	105 g
Protection class	IP20

PC-W ETHERNET WIRELESS CLIENT ADAPTER

This Wireless Client Adapter provides Ethernet wireless connectivity for serial devices like RS232, RS422, RS485 and Ethernet devices.

Its small size but powerful architecture makes it a perfect choice for industrial/manufacturing needs in which size is a decisive factor.



Wireless LAN	
Hardware	Compliance IEE 802.11b/g standard Modulation Type CCK, DQPSK, DBPDK, OFDM (11g)
Topologies	Infrastructure and Ad-Hoc
Security	WEP 61-bit/128-bit data encryption WPA compatible (TKIP/AES encryption) WPA2-PSK
RF Performance	Tx power 14 dBm para 802.11 b and 80 dBm para 802.11 g Rx Sensivity -66 dBm @54 Mbps. -80 dBm @ 11Mbps Transmisión rate 54 Mbps (max.) Transmisión distance up 300 m @ 12 Mbps in open areas Mobile for Fast Roaming
Interfaces	Reverse SMA connector for an external antenna
Serial	
Protocol	RS232/RS485/RS432
Interface	D-Sub 9-pin Connector
	Baud rate 1200 bps921kbps Parity . None, Odd, Even, Space, Mark Data length 7/8 bit Stop bit 1/2 Flow control. None, software, Xon/Xoff, hardware. RTS/CTS
Network	
Hardware	10/100M Auto -Negotiation Fast Ethernet
Interface	RJ-48 connector with 2 leds
Configuration	Using Web-based or a serial Manager program
Characteristics	
Power	Input 9...48 Vcc Consumption 4,5W max
Mechanical	Metal Housing for IP50 Standard Dimensions 90 (H) x 46 (W) x 75 (D)
Environmental	Operating Temperature 0..65 °C Storage Temperature -20 ..85 °C Ambient Relative Humidity 50 a 98 % RH
Regulatory Approvals	
EMC	FCC/CE
Safety	UL
Warranty	4 years
Software	
Protocol	ICMP, IP, TCP, UDP, DHCP Cliente, Telnet, DNS, SNMP, http,SMTP,SNTP,
Utility	Windows 98/2000/XP/2003/Vista
Configuration	Web browser Windows utility software
Buffer size	TCP receiving 8Kbits TCP transmitting 16 Kbits RS232/RS485 receiving 4Kbits RS232/RS485 transmitting 4 Kbits
Accessories	
AH1812-B	AC100-240V US plug / DC 12V DC JACK
AH1812-E	AC100-240V Europe Plug / DC 12V DCJACK
IGP-2409	9,0 dBi omnidireccional antenna (Max line 800 m)
IPG-24001	9,0 dBi omnidireccional panel antenna (Max 800m)
1CB-0025	Ethernet RFcable RG58 SMA to N Male. 3 m

SNA10A (RS-485 TO RS-232 CONVERTER)



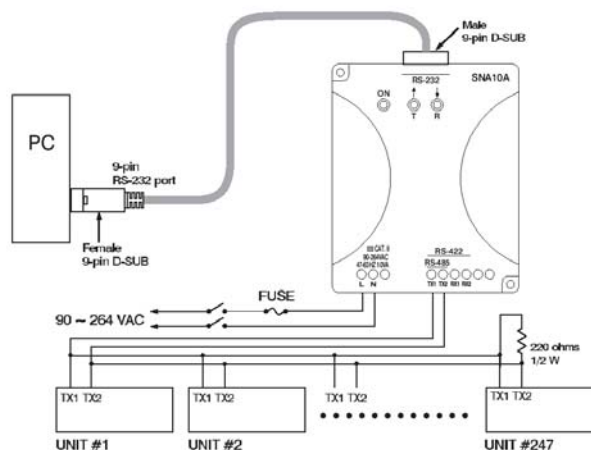
FEATURES

- Supports both RS-485 and RS-422 Interface
- Baud Rate: 300~38400 bit / sec configurable
- Allows connection for 247 multi-drop units
- Automatic data direction control for RS-485 without the need to take care of RTS signal.
- Precision timing control for RS-485 allows fast switching between transmit and receive.
- Universal (90~264 VAC) AC power input
- Isolated between RS-232 and RS-485 / 422 eliminate common mode noise problems
- Flexible installation: DIN rail mount or wall mount

SPECIFICATIONS

Baud Rate	300 ~ 38400 bits/seg
Parity bits	None, odd or even
Data bits	8 bits
Stop bits	1 or 2 bits
Connectors	9-pin Female D-SUB (RS-232), Screw type terminal block (RS-485/422)
Receiver threshold	: 0,8 V min. (RS-232), $\pm 0,2$ V (RS-485/422)
Receiver input impedance	3K ~ 7 K Ω (RS-232), 96 K Ω (RS-485/422)
Transmission mode	Single ended (RS-232), Differential (RS-485/422)
Transmission distance	15m (RS-232), 1500m(RS-485/422)
Common-mode voltage	± 25 V (RS-232), +12 V, -7V (RS-485/422)
Driving capability	32 receivers (input 12 K Ω), 247 receivers (input 96 K Ω)
Power supply	90~264 VAC, 47~63 Hz, 10VA, 4W max.
Breakdown Voltage	2500VAC, 1minute (power to RS-232, RS-485/422), 400 VAC, 1 minute (between RS-232 and RS-485/422)
Isolation resistance	>500 M Ω VS. 500 VDC
Ambient temperature	0~50 $^{\circ}$ C
Storage temperature	-20~80 $^{\circ}$ C
Mounting method	DIN rail mount or wall mount
Dimensions	102,5 (L) X 80 (W) X 30 (H) mm
Weight	120 g

APPLICATION



GSM 8000 - 8 ANALOG INPUT GSM CONTROLLERS

GSM controller is mainly used for sending alarm SMS and process values to mobile phone..

SPECIFICATIONS

Display	Dot-matrix LCD with back light,16 characters x 2 line.	
GSM Modem	900/1800 MHz, dual band.	
Switch inputs	Number	8
	Reaction time	200 mS, mín
	Status	Default open,Close will alarm.
Analog input 4 to 20 mA	Number	8
	Impedancia de entrada	125 ohmios
	Resolución	Convertidor A/D 12 bits
	Se configura por medio de los botones frontales	Configuración de valor de alarma alta/baja
Relay outputs	Number	8
	Function	Relay 1 to Relay 7 can control by mobile via SMS Relay 8 is the alarm relay used to connecto field alarm system
	Max load	1 ACA/250 ACV 1 DCA/24 DCV
Standard	CE conformity	
Operating Temperature	0 to 50 °C	
Operating Humidity	Less than 80% RH.	
Power	9 Vdc	
Consumption	Less than 400 mA DC.	
Size	193 x 149 x 46 mm	
Weight	592 g	
Accessories includes	Operation manual. AC (100 -240 V)/DC (9V, 1 Amp) power adapter Antenna	



FEATURES

- Control/Monitor/Alarm via GSM mobile phone, no distance limitation. User can control/monitor/alarm their devices all over the world.
- 8 channels Analog input (4 -20 mA)
- 8 Relay outputs
- 8 Switch inputs, normal open, close alarm
- 8 Analog inputs: system can preset 4 mA and 20 mA input value according the real measuring value and setting display unit. It can read actual measuring data via the SMS (Short Message) requested, such as CH1= 28.0 C. CH2=53.7 %RH, CH3=7.01 pH.....
- CH8= 230.5 ACV.
- Enable or disable Analog input alarm (High alarm, Low alarm) via SMS.
- Enable or disable switch Input alarm (close alarm) via SMS.
- Set relay output On/Off via SMS
- Dot matrix LCD display show Analog input value, Switch input and Relay output status.
- All setting value will be saved into EPROM IC, no loss.
- Mobile telephone can call out all channel measuring value, status of Switch input and Relay output at any time.
- Can default two telephone no., alarm SMS can be sent to two users.
- Build GSM mobile modem (dual band).
- After the SMS command sent by mobile phone, the confirm message will be sent back to the mobile, safe and no loss.
- Intelligent application , innovation, wide range, no limitation

ORDERING CODE GSM 8000 - BAND

- 2 900/1800 MHz (dual bands)
- 3 900/1800/1900 MHz (three bands)