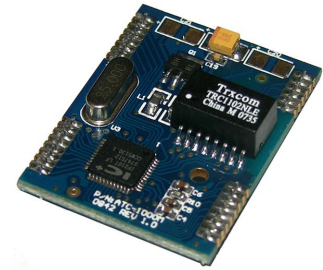
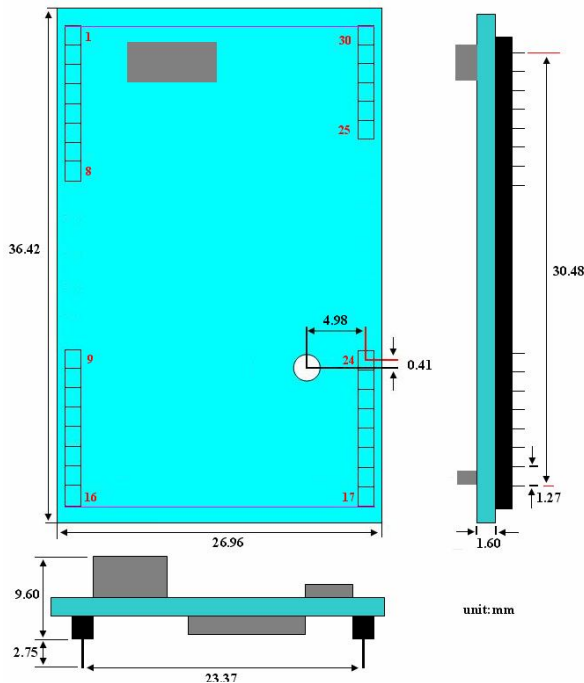


Description

- Adds Ethernet connectivity for RS-232/422/485 devices
- 10/100Mbps Ethernet; 230,400bps serial data rate
- Supports TCP/Server, TCP/Client and UDP mode
- Provides six TTL-level programmable digital I/Os
- Web/Telnet/Serial consoles for device configuration
- Windows utility included for device management



Dimensions



Order information:

ATC-1000M

Serial-to-Ethernet Embedded module

ATC-1000 EVB

Kit for ATC-1000M, including one ATC-1000M module, one carrier board, one power adapter and one SDK CD-ROM.



Specifications

Form Factor

Type: 30-pin dual-inline drop-in module

Pitch: 1.27mm

Dimensions: 37x27x12mm

Network Interface

Type: 10/100BaseT, auto-detect

Protocols: TCP, UDP, HTTP, Telnet, IP, ICMP, ARP

IP addressing: DHCP, Static IP

Operation Modes

TCP/Server, TCP/Client and UDP mode

Serial Interface (TTL-level)

Signals: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

Baud: 300 to 230,400 bps

Parity: None, Even, Odd

Data bits: 7,8

Stop bit: 1,2

Flow control: None, RTS/CTS, XON/OFF

Programmable Digital I/O

PIO0~PIO6: TTL level compatible

Configuration Methods

Web console, Telnet Console and Serial Console

Windows utility (included in CD)

General

Power input: 3.3VDC

Power consumption: 350mA@+3.3VDC

Operation temp.: 0~70C, 5~95% RH

Storage temp.: -20~85C, 5~95% RH

Regulation: CE/FCC compliant

Warranty: 2 years



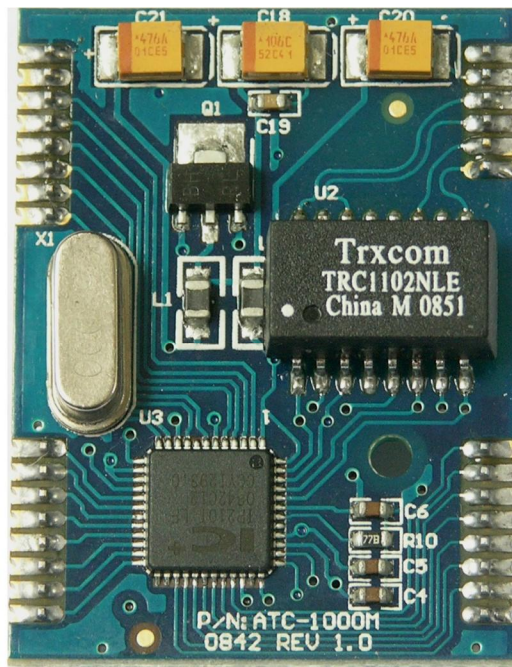
Pin Description

Type	Description
I	Input pin.
O	Output pin.
IPL	Input pin with internal pull low.
IPH	Input pin with internal pull high.
P	Power supply.
N/C	No Connection.

Pin No	Label	Type	Description
1,29	GND	P	Ground
2,17	VCC3.3V	P	3.3V supply voltage.
3	ADC_REFH	I	The upper reference voltage. The maximum input voltage range is determined by the voltage applied to ADC_REFH and the voltage applied to ADC_REFL.
4	ADC_REFL	I	The lower reference voltage.
5	ADC0	I	ADC channel 0 analog input.
6	ADC1	I	ADC channel 1 analog input.
7	RESETB	I	Reset, low active. This pin should be kept at "low" state for at least 10 microseconds. Connect this pin to a 1M ohms pull up resistor. There is an internal capacitor between this pin and GND, so the external capacitor is not necessary for a RC reset circuit.
8	LED_LINK	O	LINK_LED
9	HSRXD	I	TTL/CMOS driver input.
10	HSTXD	O	TTL/CMOS receiver output.
11	RTS	O	Request To Send Control Output / Handshake signal.
12	DTR	O	Data Terminal Ready Control Output / Handshake signal.
13	CTS	I	Clear to Send Control input / Handshake signal.
14	DSR	I	Data Set Ready Control Input / Handshake signal.
15	DCD	I	Data Carrier Detect Control input.
16	RI	I	Ring Indicator Control Input.
18	P1_2	IPH/O	GPIO P1_2
19	P3_0	IPH/O	Restore the setting to factory default. This pin should be low at first, and then power on. Release it after three seconds.
20	P3_1	IPH/O	Port3 is an 8-bit bidirectional I/O port. Port3 also provides various special features listed below: GPIO P3_1 or STXD0, serial output port 0 GPIO P3_2 GPIO P3_3 or INT1, External interrupt 1 GPIO P3_4 or T0, Timer 0 external input GPIO P3_5 or T1, Timer 1 external input
21	P3_2		
22	P3_3		
23	P3_4		
24	P3_5		
25	RX-	I	Ethernet receiver negative.
26	RX+		Ethernet receiver positive.
27	TX+	O	Ethernet transmitter positive.
28	TX-		Ethernet transmitter negative.
30	NC	N/C	No Connection.

PIN Assignment:

GND	1
VCC3.3V	2
ADC REFH	3
ADC REFL	4
ADC0	5
ADC1	6
RESETB	7
LED LINK	8
HSRXD/P2 0	9
HSTXD/P2 1	10
RTS/P2 2	11
DTR/P2 3	12
CTS/P2 4	13
DSR/P2 5	14
DCD/P2 6	15
RI/P2 7	16



30	NC
29	GND
28	TX-
27	TX+
26	RX+
25	RX-
24	P3 5
23	P3 4
22	P3 3
21	P3 2
20	P3 1
19	P3 0
18	P1 2
17	VCC3.3V

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