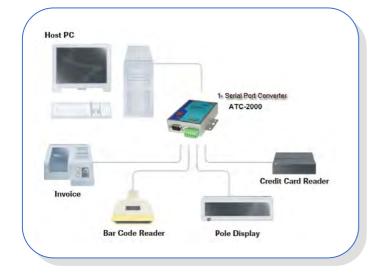




Model ATC-2000

Product Features

- **Ø** RS-232/422/485 3 in 1 interface
- Ø Support 10/100Mbps Ethernet port
- **Ø** Supports 4-wire and 2-wire RS-485 work mode
- **Ø** Automatic data direction control on RS-485
- **Ø** Supports 24VDC industrial power supply
- Ø Terminal block easily for RS-422/485 installation
- **Ø** Configure via webpage and windows utility
- Supports virtual serial port,TCP Server/Client and UDP work mode
- **Ø** Built-in watchdog, system never halt.
- Ø CE, RoHS and FCC Certifications



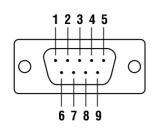


Product Description

The ATC-2000 is a RS232/485/422 to TCP/IP converter integrated with a robust system and network management features designed for industrial equipment to be accessed and controlled via Intranet or Internet. By integrating RTOS (Real Time Operating System) and complete TCP/IP protocol stack capability, ATC's ATC-2000 provides not only a robust and high performance system to make your device connecting to Network, but also ease installation and Internet access. The ATC-2000 Web Configuration is a breeze to operate and totally independent of the operating system platform you use.

Pin Assignment

RS-232 DB-9(Male)



PIN	RS-232
1/4/6/9	-
2	RXD(in)
3	TXD(out)
5	GND
7	CTS(out)
8	RTS(in)

RS-485/422 6-pin Terminal block

1	2	3	4	5	6
485+(T+)	485-(T-)	R+	R-	VCC(9~32VD	GND

Order Information

ATC-2000 One port RS-232/485/422 Serial Server ATC-2000M 5V TTL Serial Server Embedded Module

RS-232/422/485 5V TTL serial port

Package Checklist

- Ø ATC-2000 serial server 1 PCS
- **Ø** Documentation and software CD 1PCS
- Ø Power adapter 9V

Specifications

Interface Type	Serial Interface				
Data Length	Interface Type	RS-232/485/422 3 in 1			
Parity	Data Rate		1,200bps to 230,400 bps		
Stop Bits	Data Length	·			
RS - 232	Parity				
RS-232 RS-485/422 RS-485/	Stop Bits		,		
RS-485/422 6-pin Terminal block	Flow Control	·			
RS-485/422 6-pin Terminal block	Connector	RS-232	DB-9 male		
Interface Type	Connector	RS-485/422	6-pin Terminal block		
Interface Type Connector Mapnetic Isolation Protection Software Network Protocols Configure Options Security Backup and Restore Configuration OS support Windows95/98/ME/INT/2000/XP/2003/WIN7/WIN8/XP x64/2003 x64/WIN7 x64/WIN8 x64, Linux real, TTY, UNIX System CPU 16 bit CPU, 100MHz Memory LED Indicators LINK 10/100Base-TX Link & Activity Indicator ACT Date Transmitting between Serial and Ethernet PWR Power Supply Physical Characteristics Installation Without ears Without ears Without ears Without ears With ears 100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in) With ears Indicators Environmental Limits Operating Temperature Storage Temperature - 20 ~ 70°C (4 ~ 158°F) Ambient Relative Humidity Standards and Certifications	Serial Line Protection		15 KV ESD and 600W Surge protection		
Connector Magnetic Isolation Protection Software Network Protocols Configure Options Security Backup and Restore Configuration OS support CPU Memory ACT Dimensions LINK 10/1008ase-TX Link & Activity Indicator PWR Power Supply Physical Characteristics Installation Housing Without ears Username and Password for Webpage management Windows95/98/ME/NT/2000/XP/2003/WINT/WINB/XP x64/2003 x64/WIN7 x64/WIN8 x64, Linux real, TTY, UNIX System CPU 16 bit CPU, 100MHz ACT Date Transmitting between Serial and Ethernet PWR Power Indicator PWR Power Indicator Invalid Mounting Iron (1mm) Weight Username and Password for Webpage management Windows95/98/ME/NT/2000/XP/2003/WINT/WINB/XP x64/2003 x64/WIN7 x64/WIN8 x64, Linux real, TTY, UNIX System CPU 16 bit CPU, 100MHz ACT Date Transmitting between Serial and Ethernet PWR Power Indicator Power Indicator 101N-Rail Mounting Iron (1mm) Weight Username and Password for Webpage management UNIX 10/1008ase-TX Link & Activity Indicator Date Transmitting between Serial and Ethernet PWR Power Indicator 101N-Rail Mounting Iron (1mm) Weight Username and Password for Webpage management UNIX UNIX USERNAME/NT/2000/XP/2003/WINT/WINB/XP x64/2003 x64/WIN7 x64/WIN8 x64, Linux real, TTY, UNIX System CPU 16 bit CPU, 100MHz Dink Activity Indicator Date Transmitting between Serial and Ethernet PWR Power Indicator Power Indicator DIN-Rail Mounting Iron (1mm) Weight Username and Password for Webpage management Ves	Network Interface				
Magnetic Isolation Protection Built-in 1.5KV Software Network Protocols ICMPIP,TCP,UDP,DHCP,BOOTP,Telnet,DNS,HTTP,ARP,PPPoE,SMTP Configure Options Web Page,Windows Utility Security Username and Password for Webpage management Backup and Restore Configuration Yes OS support Windows95/98/ME/NT/2000/XP/2003/WIN7/WIN8/XP x64/2003 x64/WIN7 x64/WIN8 x64, Linux real., TTY, UNIX System CPU CPU 16 bit CPU, 100MHz Memory 256KB ROM, 768KB SDRAM LED Indicators ACT Date Transmitting between Serial and Ethernet POWER Supply Power Indicator Power Supply 9-24VDC (Power consumtion: 250mA max) Physical Characteristics Iron (1mm) Installation DIN-Rail Mounting Housing Iron (1mm) Weight 0.45Kg Dimensions Without ears 100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in) Environmental Limits Operating Temperature -20 - 70°C (-4 - 158°F) Storage Temperature -40 - 85°C (-40 - 176°F) Ambient Relative Humidity 5% to 95% (non-condensing)	Interface Type	Ethernet 10/100Mbps (Auto-Sensing), Half/Full Duplex			
Protection Built-In T.S.KV	Connector				
Network Protocols ICMP.IP.TCP.UDP.DHCP.BOOTP.Telnet.DNS.HTTP.ARP.PPPoE.SMTP	Magnetic Isolation		Built in 1.5VV		
Network Protocols ICMP,IP,TCP,UDP,DHCP,BOOTP,Telnet,DNS,HTTP,ARP,PPPoE,SMTP Configure Options Security Username and Password for Webpage management Backup and Restore Configuration OS support Windows95/98/ME/NT/2000/XP/2003/WIN7/WIN8/XP x64/2003 x64/WIN7 x64/WIN8 x64. Linux reals TTY UNIX System CPU 16 bit CPU, 100MHz Memory 256KB ROM, 768KB SDRAM LINK 10/100Base-TX Link & Activity Indicator ACT Date Transmitting between Serial and Ethernet PWR Power Indicator Power Supply Physical Characteristics Installation Housing Iron (1mm) Weight O.45Kg Without ears 100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in) With ears 100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in) Environmental Limits Operating Temperature -20 - 70°C (-4 - 158°F) Storage Temperature Ambient Relative Humidity 5% to 95% (non-condensing) Standards and Certifications	Protection		Duilt-III 1.3NV		
Configure Options Web Page, Windows Utility Security Username and Password for Webpage management Backup and Restore Configuration Yes OS support Windows95/98/ME/NT/2000/XP/2003/WIN7/WIN8/XP x64/2003 x64/WIN7 x64/WIN8 x64, Linux real, TTY, UNIX System CPU 16 bit CPU, 100MHz Memory 256KB ROM, 768KB SDRAM LED Indicators LINK 10/100Base-TX Link & Activity Indicator ACT Date Transmitting between Serial and Ethernet PWR Power indicator Power Supply 9-24VDC (Power consumtion: 250mA max) Physical Characteristics Installation DIN-Rail Mounting Housing Iron (1mm) Weight 0.45Kg Dimensions Without ears 100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in) With ears 100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in) Environmental Limits Operating Temperature -20 ~ 70°C (-4 ~ 158°F) Storage Temperature -40 ~ 85°C (-40 ~ 176°F) Ambient Relative Humidity 5% to 95%(non-condensing)	Software				
Security Backup and Restore Configuration OS support Windows95/98/ME/NT/2000/XP/2003/WIN7/WIN8/XP x64/2003 x64/WIN7 x64/WIN8 x64. Linux real. TTY. UNIX System CPU 16 bit CPU, 100MHz Memory 256KB ROM, 768KB SDRAM LINK 10/100Base-TX Link & Activity Indicator ACT Date Transmitting between Serial and Ethernet Power Supply Physical Characteristics Installation Housing Windows95/98/ME/NT/2000/XP/2003/WIN7/WIN8/XP x64/2003 x64/WIN7 x64/WIN8 x64. DIN-Rail Mounting Iron (1mm) Weight 0.45Kg Without ears Without ears 100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in) With ears 100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in) Environmental Limits Operating Temperature Storage Temperature Ambient Relative Humidity Standards and Certifications	Network Protocols		ICMP,IP,TCP,UDP,DHCP,BOOTP,Telnet,DNS,HTTP,ARP,PPPoE,SMTP		
Backup and Restore Configuration Yes OS support Windows95/98/ME/NT/2000/XP/2003/WIN7/WIN8/XP x64/2003 x64/WIN7 x64/WIN8 x64, Linux real. TTY, UNIX System CPU 16 bit CPU, 100MHz Memory 256KB ROM, 768KB SDRAM LINK 10/100Base-TX Link & Activity Indicator ACT Date Transmitting between Serial and Ethernet PWR Power indicator Power Supply 9-24VDC (Power consumtion : 250mA max) Physical Characteristics Installation Installation DIN-Rail Mounting Housing Iron (1mm) Weight 0.45Kg Dimensions Without ears 100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in) With ears 100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in) Environmental Limits Operating Temperature -20 ~ 70°C (-4 ~ 158°F) Storage Temperature -40 ~ 85°C (-40 ~ 176°F) Ambient Relative Humidity 5% to 95%(non-condensing) Standards and Certifications	Configure Options	Web Page, Windows Utility			
Configuration Yes OS support Windows95/98/ME/NT/2000/XP/2003/WIN7/WIN8/XP x64/2003 x64/WIN7 x64/WIN8 x64.	Security	Username and Password for Webpage management			
OS support Windows95/98/ME/NT/2000/XP/2003/WIN7/WIN8/XP x64/2003 x64/WIN7 x64/WIN8 x64.	'	Yes			
CPU	Corniguration	Windows95/98/ME/NT/2000/XP/2003/WIN7/WIN8/XP x64/2003 x64/WIN7 x64/WIN8 x64、			
CPU 16 bit CPU, 100MHz Memory 256KB ROM, 768KB SDRAM LINK 10/100Base-TX Link & Activity Indicator Power Supply Power indicator Physical Characteristics DIN-Rail Mounting Installation DIN-Rail Mounting Housing Iron (1mm) Weight 0.45Kg Dimensions Without ears with ears 100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in) With ears 100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in) Environmental Limits Operating Temperature -20 ~ 70°C (-4 ~ 158°F) Storage Temperature -40 ~ 85°C (-40 ~ 176°F) Ambient Relative Humidity 5% to 95%(non-condensing) Standards and Certifications	OS support				
Memory 256KB ROM, 768KB SDRAM LED Indicators LINK 10/100Base-TX Link & Activity Indicator Power Supply Power indicator Power Supply 9-24VDC (Power consumtion : 250mA max) Physical Characteristics Installation DIN-Rail Mounting Housing Iron (1mm) Weight 0.45Kg Dimensions Without ears 100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in) With ears 100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in) Environmental Limits Operating Temperature -20 ~ 70°C (-4 ~ 158°F) Storage Temperature -40 ~ 85°C (-40 ~ 176°F) Ambient Relative Humidity 5% to 95%(non-condensing) Standards and Certifications	System				
LINK 10/100Base-TX Link & Activity Indicator ACT Date Transmitting between Serial and Ethernet PWR Power indicator Power Supply 9-24VDC (Power consumtion : 250mA max) Physical Characteristics Installation DIN-Rail Mounting Housing Iron (1mm) Weight 0.45Kg Dimensions Without ears 100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in) With ears 100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in) Environmental Limits Operating Temperature -20 - 70°C (-4 - 158°F) Storage Temperature -40 ~ 85°C (-40 ~ 176°F) Ambient Relative Humidity 5% to 95%(non-condensing) Standards and Certifications	CPU		16 bit CPU, 100MHz		
LED Indicators ACT Date Transmitting between Serial and Ethernet Power Supply Power indicator 9-24VDC (Power consumtion: 250mA max) Physical Characteristics Installation DIN-Rail Mounting Housing Iron (1mm) Weight 0.45Kg Dimensions Without ears 100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in) With ears 100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in) Environmental Limits Operating Temperature -20 ~ 70°C (-4 ~ 158°F) Storage Temperature -40 ~ 85°C (-40 ~ 176°F) Ambient Relative Humidity 5% to 95%(non-condensing) Standards and Certifications	Memory		256KB ROM, 768KB SDRAM		
Power Supply 9-24VDC (Power consumtion : 250mA max) Physical Characteristics Installation DIN-Rail Mounting Housing Iron (1mm) Weight 0.45Kg Dimensions Without ears 100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in) With ears 100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in) Environmental Limits Operating Temperature -20 ~ 70°C (-4 ~ 158°F) Storage Temperature -40 ~ 85°C (-40 ~ 176°F) Ambient Relative Humidity 5% to 95%(non-condensing) Standards and Certifications		LINK	10/100Base-TX Link & Activity Indicator		
Power Supply 9~24VDC (Power consumtion : 250mA max) Physical Characteristics DIN-Rail Mounting Installation DIN-Rail Mounting Housing Iron (1mm) Weight 0.45Kg Dimensions Without ears 100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in) With ears 100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in) Environmental Limits -20 ~ 70°C (-4 ~ 158°F) Storage Temperature -40 ~ 85°C (-40 ~ 176°F) Ambient Relative Humidity 5% to 95%(non-condensing) Standards and Certifications	LED Indicators	ACT	Date Transmitting between Serial and Ethernet		
Physical CharacteristicsInstallationDIN-Rail MountingHousingIron (1mm)Weight0.45KgDimensionsWithout ears100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in)With ears100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in)Environmental LimitsOperating Temperature-20 ~ 70°C (-4 ~ 158°F)Storage Temperature-40 ~ 85°C (-40 ~ 176°F)Ambient Relative Humidity5% to 95%(non-condensing)Standards and Certifications		PWR	Power indicator		
Installation DIN-Rail Mounting Housing Uron (1mm) O.45Kg Dimensions Without ears 100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in) With ears 100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in) Environmental Limits Operating Temperature Operating Temperature -20 ~ 70°C (-4 ~ 158°F) Storage Temperature -40 ~ 85°C (-40 ~ 176°F) Ambient Relative Humidity Standards and Certifications	Power Supply	9~24VDC (Power consumtion : 250mA max)			
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Physical Characteris	stics			
	Installation		DIN-Rail Mounting		
Dimensions Without ears $100 \times 67 \times 26 \text{ mm}(3.94 \times 2.64 \times 1.02 \text{ in})$ With ears $100 \times 86 \times 26 \text{ mm}(3.94 \times 3.39 \times 1.02 \text{ in})$ Environmental Limits Operating Temperature $-20 \sim 70^{\circ}\text{C} \ (-4 \sim 158^{\circ}\text{F})$ Storage Temperature $-40 \sim 85^{\circ}\text{C} \ (-40 \sim 176^{\circ}\text{F})$ Ambient Relative Humidity $-20 \sim 70^{\circ}\text{C} \ (-40 \sim 176^{\circ}\text{F})$ Standards and Certifications	Housing		Iron (1mm)		
Dimensions Without ears $100 \times 67 \times 26 \text{ mm}(3.94 \times 2.64 \times 1.02 \text{ in})$ With ears $100 \times 86 \times 26 \text{ mm}(3.94 \times 3.39 \times 1.02 \text{ in})$ Environmental Limits Operating Temperature $-20 \sim 70^{\circ}\text{C} \ (-4 \sim 158^{\circ}\text{F})$ Storage Temperature $-40 \sim 85^{\circ}\text{C} \ (-40 \sim 176^{\circ}\text{F})$ Ambient Relative Humidity $-20 \sim 70^{\circ}\text{C} \ (-40 \sim 176^{\circ}\text{F})$ Standards and Certifications	Weight				
With ears 100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in) Environmental Limits Operating Temperature -20 ~ 70°C (-4 ~ 158°F) Storage Temperature -40 ~ 85°C (-40 ~ 176°F) Ambient Relative Humidity 5% to 95%(non-condensing) Standards and Certifications	- C	Without ears	100 × 67 × 26 mm(3.94 × 2.64 × 1.02 in)		
Operating Temperature -20 ~ 70°C (-4 ~ 158°F) Storage Temperature -40 ~ 85°C (-40 ~ 176°F) Ambient Relative Humidity 5% to 95%(non-condensing) Standards and Certifications		With ears	100 × 86 × 26 mm(3.94 × 3.39 × 1.02 in)		
Storage Temperature -40 ~ 85°C (-40 ~ 176°F) Ambient Relative Humidity 5% to 95%(non-condensing) Standards and Certifications	Environmental Limit	s <u> </u>			
Ambient Relative Humidity 5% to 95%(non-condensing) Standards and Certifications	Operating Temperature				
Standards and Certifications	Storage Temperature		-40 ~ 85°C (-40 ~ 176°F)		
	Ambient Relative Humic				
RoHS, CE, FCC	Standards and Certifications				