

## Model :ATC-205G

#### **Product Features**

Support IEEE802.3, IEEE802.3x, IEEE802.3u standards

ADVANCED TECHNOLOGY

10/100/1000M, full duplex/ half duplex, straight-through crossover line adaptive

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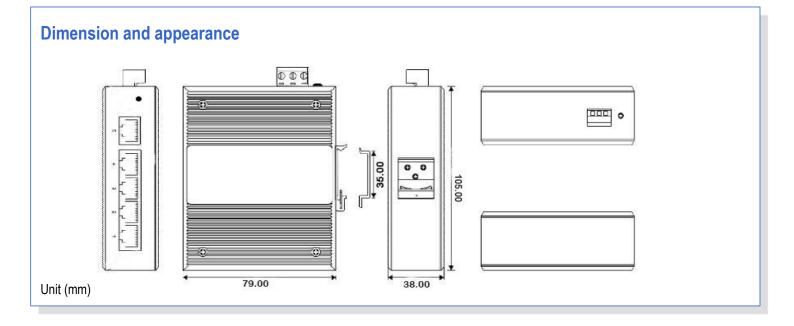
- Store-and-forward switching
- > 24VDC (12V~48VDC) power input

### **Product Description**

ATC-205G is an industrial 5-Port Gigabit Ethernet switch. The industrial four-level EMC protection level and high-strength IP40 shell design ensure that the equipment can work reliably in harsh field environments.

Can be widely used in electric power, coal monitoring system, water treatment monitoring system, intelligent traffic road monitoring system, oil pipeline monitoring system, national defense military engineering and other equipment.





#### **Contact us**

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# **Specifications**

Interface     5*Ethernet: 10/100/1000 Base-TX self-adaption, RJ45 port       Transfer distance     Twisted cable: 100m(CAT5/CAT5e)       Technology     IEEE802.3, IEEE802.3x, IEEE802.3x       Standards     IEEE802.3, IEEE802.3x, IEEE802.3x       Support     IEEE802.3, IEEE802.3x, IEEE802.3x, IEEE802.3x       Support     IEEE802.3, IEEE802.3x, IEEE802.3x, IEEE802.3x       Support     IEEE802.3, IEEE802.3x, IEEE802.3x       Support     IEEE802.3, IEEE802.3x, IEEE802.3x       Support     IEEE802.3, IEEE802.3x, IEEE802.3x       Support     IEE802.3, IEEE802.3x, IEEE802.3x, IEEE802.3x       Support     IEE802.3, IEEE802.3x, IEEE802.3x, IEEE802.3x       Support     IEE800.04-42 (ESD), Level 4       EN61000-4.5 (Surge), Level 4     EN61000-4.5 (Surge), Level 3       EN61000-4.5 (Surge), Level 3     EN61000-4.5 (Surge), Level 3       EN61000-4.5 (Surge), Level 5     Shock: IEC 60068-2.27       Free fall: IEC 60068-2.20     Vibration: IEC 60068-2.20       Vibration: IEC 60068-2.60     Exchange attribute       System exchange barwidth     1 G       Transfer     Store and forward       Buffer memory     64Kbits       MAC Table Size     2K       Interface indicator     1-5 (LIN	Network Interface				
Transfer distance     Twisted cable: 100m(CAT5/CAT5e)       Technology     IEEE802.3, IEEE802.3x, IEEE802.3u       Standards     IEEE802.3, IEEE802.3x, IEEE802.3u       Support     EMI: FCC Part 15, CISPR (EN55022) class A       Support     EMI: FCC Part 15, CISPR (EN55022) class A       Support     EMI: FCC Part 15, CISPR (EN55022) class A       EN61000-4-2 (ESD), Level 4     EN61000-4-3 (RS), Level 3       EN61000-4-3 (RS), Level 3     EN61000-4-4 (EFT), Level 4       Support     EN61000-4-4 (CS), Level 3       Support     EN61000-4-6 (CS), Level 3       Support     EN61000-4-6 (CS), Level 3       Support     EN61000-4-8 (DFM), Level 5       Shock: IEC 60068-2-27     Free fall: IEC 60068-2-27       Free fall: IEC 60068-2-32     Vibration: IEC 60068-2-6       Exchange attribute     1 G       Transfer     Store and forward       Buffer memory     1 G       MAC Table Size     ZK       LED Indicators     ZK       Power supply indicator     2K       Power Requirements     ZHVDC(12-48VDC)       Input Voltage     24VDC(12-48VDC)       Input Voltage     24VDC(12-48VDC)       Input Voltage     3					
Technology       Standards     IEEE802.3, IEEE802.3x, IEEE802.3u       Support     EMI: FCC Part 15, CISPR (EN55022) class A EMS: EN61000-4-2 (ESD), Level 4 EN61000-4-3 (RS), Level 3 EN61000-4-4 (EFT), Level 4       Support     EN61000-4-4 (EFT), Level 4 EN61000-4-6 (CS), Level 3 EN61000-4-6 (CS), Level 3 EN61000-4-8 (PFM), Level 5 Shock: IEC 60068-2-27 Free fall: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibraton: IEC 60068-2-6       Exchange attribute     1       100M transmit speed     148810pps       System exchange bartwidth     1 G       Transfer     Store and forward       Buffer memory     64Kbits       MAC Table Size     2K       ILED Indicators     2K       Power supply indicator     1~5 (LINK/ACT)       Power Requirements     24VDC(12-48VDC)       Input Voltage     24VDC(12-48VDC)       Input Uoltage     24VDC(12-48VDC)       Input Lurrent     0.1A@24VDC	Interface	5*Ethernet: 10/100/1000 Base-TX self-adaption, RJ45 port			
Technology       Standards     IEEE802.3, IEEE802.3x, IEEE802.3u       Support     EMI: FCC Part 15, CISPR (EN55022) class A EMS: EN61000-4-2 (ESD), Level 4 EN61000-4-3 (RS), Level 3 EN61000-4-4 (EFT), Level 4       Support     EN61000-4-4 (EFT), Level 4 EN61000-4-6 (CS), Level 3 EN61000-4-6 (CS), Level 3 EN61000-4-8 (PFM), Level 5 Shock: IEC 60068-2-27 Free fall: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibraton: IEC 60068-2-6       Exchange attribute     1       100M transmit speed     148810pps       System exchange bartwidth     1 G       Transfer     Store and forward       Buffer memory     64Kbits       MAC Table Size     2K       ILED Indicators     2K       Power supply indicator     1~5 (LINK/ACT)       Power Requirements     24VDC(12-48VDC)       Input Voltage     24VDC(12-48VDC)       Input Uoltage     24VDC(12-48VDC)       Input Lurrent     0.1A@24VDC					
Standards     IEEE802.3, IEEE802.3, IEEE802.3u       Support     EMI: FCC Part 15, CISPR (EN55022) class A       EMS: EN61000-4-2 (ESD), Level 4     EN61000-4-2 (ESD), Level 4       EN61000-4-3 (RS), Level 3     EN61000-4-5 (Surge), Level 4       EN61000-4-5 (Surge), Level 4     EN61000-4-6 (CS), Level 3       EN61000-4-5 (Surge), Level 4     EN61000-4-6 (CS), Level 3       EN61000-4-5 (Surge), Level 4     EN61000-4-6 (CS), Level 3       EN61000-4-6 (CS), Level 3     EN61000-4-8 (PFM), Level 5       Shock: IEC 60068-2-27     Free fall: IEC 60068-2-32       Vibration: IEC 60068-2-32     Vibration: IEC 60068-2-32       Vibration: IEC 60068-2-32     Vibration: IEC 60068-2-6       Exchange attribute     1 G       System exchange barret     1 G       System exchange barret     1 G       System rechange barret     1 G       MAC Table Size     2 K       MAC Table Size     2 K       Power suppi indicator     1-5 (LINK/ACT)       Power Requirement/     24VDC(12-48VDC)       Input Voltage     2 4VDC(12-48VDC)       Input Voltage     2 4VDC(12-48VDC)       Input Source     3 bits 7.62mm terminal block	Transfer distance	Twisted cable: 100m(CAT5/CAT5e)			
Support     EMI: FCC Part 15, CISPR (EN55022) class A EMS: EN61000-4-2 (ESD), Level 4 EN61000-4-3 (RS), Level 3 EN61000-4-6 (CS), Level 4 EN61000-4-6 (CS), Level 3 EN61000-4-6 (CS), Level 4 EN61000-4-6 (CS), Level 3 EN61000-4-6 (CS), Level 3 EN6100-4-6 (CS), Level 4 EN6100-4-6 (CS), Level 3 EN6100-4-6 (CS)	Technology				
Support     EMS: EN61000-4-2 (ESD), Level 4 EN61000-4-3 (RS), Level 3 EN61000-4-6 (CS), Level 4 EN61000-4-6 (CS), Level 4 EN61000-4-6 (CS), Level 3 EN61000-4-6 (CS), Level 3 EN61000-4-6 (CS), Level 3 EN61000-4-8 (PFM), Level 5 Shock: IEC 60068-2-27 Free fall: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-32       Exchange attribute     148810pps       System exchange batter     1 G       Transfer     1 G       System mory     1 G       Uffer memory     1 G       MAC Table Size     2 K       ILED Indicators     1 Interface indicator       Power Requirementy     2 K       Power Requirementy     1 -5 (LINK/ACT)       Power Requirementy     24VDC(12-48VDC)       Input Voltage     24VDC(12-48VDC)       Input current     0.1A@24VDC       Terminal block     3 bits 7.62mm terminal block	Standards	IEEE802.3, IEEE802.3x,IEEE802.3u			
Support     EN61000-4-3(RS), Level 3 EN61000-4-5 (Surge), Level 4 EN61000-4-5 (Surge), Level 4 EN61000-4-5 (Surge), Level 3 EN61000-4-8 (CS), Level 3 EN6100-4-8 (CS), Level 3 EN610-4 (CS), Level 3 EN610-4 (CS), Level 3 EN610-4 (CS), Level 3 EN61	Support	EMI: FCC Part 15, CISPR (EN55022) class A			
Support     EN61000-4-4 (EFT), Level 4 EN61000-4-5 (Surge), Level 4 EN61000-4-6 (CS), Level 3 EN61000-4-8 (PFM), Level 5 Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-32       Exchange attribute     Itec 60068-2-32 Vibration: IEC 60068-2-6       100M transmit speed     148810pps       System exchange barwitt     1 G       100M transmemory     1 G       Buffer memory     1 G       Buffer memory     2K       LED Indicators     2K       Power Requirements     2K       Power Requirements     2K       Interface indicator     1-5 (LINK/ACT)       Power Requirements     24VDC(12-48VDC)       Input Voltage     24VDC(12-48VDC)       Input current     0.1A@24VDC       Input source     3 bits 7.62mm terminal block			EMS: EN61000-4-2 (ESD), Level 4		
Support     EN61000-4-5 (Surge), Level 4 EN61000-4-6(CS), Level 3 EN61000-4-6(CS), Level 3 EN61000-4-8(PFM), Level 5 Shock: IEC 60068-2-32 Vibration: IEC 60068-2-32 Vibration: IEC 60068-2-6       Exchange attribute       148810pps       System exchange batwite       1 G       Store and forward       Buffer memory       64Kbits       MAC Table Size     2K       Clinterface indicator       A Interface indicator       Power Requiremetry       24VDC(12-48VDC)       Input Voltage       Clinterface indicator       POWer Requiremetry       24VDC(12-48VDC)       Input Sibis 7.62mm terminal block			EN61000-4-3(RS), Level 3		
Support     EN61000-4-6(CS), Level 3 EN61000-4-8(PFM), Level 5 Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6       Exchange attribute       148810pps       System exchange barweth       1 G       System exchange barweth       Store and forward       Buffer memory       64Kbits       MAC Table Size       2K       Power Requirements       24VDC(12-48VDC)       Input Voltage       24VDC(12-48VDC)       Input current       0.1A@24VDC       Tarisfinal block		EN61000-4-4 (EFT), Level 4			
EN61000-4-6(CS), Level 3       EN61000-4-8(PFM), Level 5       Shock: IEC 60068-2-27       Free fall: IEC 60068-2-32       Vibration: IEC 60068-2-6           Exchange attribute           100M transmit speed           100M transmit speed           System exchange barwith           100M transmit speed           101           102           103           104           101           101 </th <td colspan="3">EN61000-4-5 (Surge), Level 4</td>		EN61000-4-5 (Surge), Level 4			
Shock: IEC 60068-2-27       Free fall: IEC 60068-2-32       Vibration: IEC 60068-2-32 <td colspan="3">EN61000-4-6(CS), Level 3</td>		EN61000-4-6(CS), Level 3			
Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6       Exchange attribute       148810pps       148810pps       System exchange batter       1 G       Store and forward       Buffer memory       AK       MAC Table Size       ZK       DIndicators       Power supply indicator       POwer Requiremetry       24VDC(12-48VDC)       Input Voltage       Quy Colspan="2">Quy Colspan="2">Quy Colspan="2">Quy Colspan="2">Quy Colspan="2">Quy Colspan="2">Colspan="2"Colspa="2"Colspa="2"Colspan="2"Colspan="2"Colspan="2"Colspan=		EN61000-4-8(PFM), Level 5			
Vibration: IEC 60068-2-6       Exchange attribute       100M transmit speed     148810pps       System exchange batwitth       1 G     1 G       Store and forward       Buffer memory		Shock: IEC 60068-2-27			
Exchange attribute       100M transmit speed       System exchange barwidth       1 G       Transfer       Buffer memory       64Kbits       MAC Table Size       Interface indicator       1 -5 (LINK/ACT)       Power supply indicator       Power Requirement       Input Voltage       24VDC(12~48VDC)       Input current       0.1A@24VDC       Terminal block		Free fall: IEC 60068-2-32			
100M transmit speed     148810pps       System exchange barwidth     1 G       Transfer     1 G       Buffer memory     Store and forward       Buffer memory     64Kbits       MAC Table Size     2K       LED Indicators     Interface indicator       Power supply indicator     1~5 (LINK/ACT)       Power Requirements     PWR       Input Voltage     24VDC(12~48VDC)       Input current     0.1A@24VDC       Terminal block     3 bits 7.62mm terminal block		Vibration: IEC 60068-2-6			
System exchange barder index of the second second second second second second forward       Transfer     Store and forward       Buffer memory     64Kbits       MAC Table Size     2K       LED Indicators     Interface indicator       Power supply indicator     1~5 (LINK/ACT)       Power supply indicator     PWR       Power Requirements     24VDC(12~48VDC)       Input Voltage     0.1A@24VDC       Input current     3 bits 7.62mm terminal block	Exchange attribute				
Transfer     Store and forward       Buffer memory     Store and forward       MAC Table Size     64Kbits       MAC Table Size     2K       LED Indicators     Interface indicator     1~5 (LINK/ACT)       Power supply indicator     PWR       Power Requirements     24VDC(12~48VDC)       Input Voltage     0.1A@24VDC       Terminal block     3 bits 7.62mm terminal block	100M transmit speed	148810pps			
Buffer memory     64Kbits       MAC Table Size     2K       LED Indicators     Interface indicator     1~5 (LINK/ACT)       Power supply indicator     PWR       Power Requirement     24VDC(12~48VDC)       Input Voltage     0.1A@24VDC       Input current     0.1A@24VDC       Terminal block     3 bits 7.62mm terminal block	System exchange ban	dwidth	1 G		
MAC Table Size     2K       LED Indicators     Interface indicator     1~5 (LINK/ACT)       Power supply indicator     PWR       Power Requirements     24VDC(12~48VDC)       Input Voltage     0.1A@24VDC       Terminal block     3 bits 7.62mm terminal block	Transfer	Store and forward			
LED Indicators     Interface indicator     1~5 (LINK/ACT)       Power supply indicator     PWR       Power Requirements     24VDC(12~48VDC)       Input Voltage     0.1A@24VDC       Input current     0.1A@24VDC       Terminal block     3 bits 7.62mm terminal block	Buffer memory	64Kbits			
LED Indicators   Power supply indicator   PWR     Power Requirements   24VDC(12~48VDC)     Input Voltage   24VDC(12~48VDC)     Input current   0.1A@24VDC     Terminal block   3 bits 7.62mm terminal block	MAC Table Size	2К			
Power supply indicator   PWR     Power Requirements   24VDC(12~48VDC)     Input Voltage   0.1A@24VDC     Input current   0.3 bits 7.62mm terminal block	LED Indicators	Interface indicator	1~5 (LINK/ACT)		
Input Voltage   24VDC(12~48VDC)     Input current   0.1A@24VDC     Terminal block   3 bits 7.62mm terminal block		Power supply indicator	PWR		
Input current       0.1A@24VDC         Terminal block       3 bits 7.62mm terminal block	Power Requirements				
Terminal block       3 bits 7.62mm terminal block	Input Voltage 24VDC(12~48VDC)				
	Input current		0.1A@24VDC		
None load consumption 0.5W@24VDC	Terminal block		3 bits 7.62mm terminal block		
	None load consumptio	n	0.5W@24VDC		
Full load consumption 1.2W@24VDC	Full load consumption		1.2W@24VDC		
Support inside over-current 4.0A protection Support opposite connection protection					
Physical Characteristics					
Installation DIN-Rail Mounting	Installation		DIN-Rail Mounting		
Shell IP40, high strength iron shell	Shell		IP40, high strength iron shell		
Weight 0.4Kg	Weight		0.4Kg		
Dimensions W×H×D: 110 mm×95mm×35mm	Dimensions		W×H×D: 110 mm×95mm×35mm		
Environmental Limits	Environmental Limi				
<b>Operating Temperature</b> -45 ~ 75°C	Operating Temperature				
Storage Temperature -45 ~ 85°C	Storage Temperature	-45 ~ 85°C			
Ambient Relative Humidity 10% to 95%(non-condensing)	Ambient Relative Hum	idity	10% to 95%(non-condensing)		
Warranty Warranty time: 3 Years	Warranty		Warranty time: 3 Years		
Standards and Certifications CE, FCC, RoHS, UL508(Pending)					