

AUTHORISED DISTRIBUTOR



OFFER PRODUCTS

- | | |
|---|----------------------------------|
| Human Machine Interface (HMI) | Data Logger |
| Programmable Logic Controller (PLC) | Input RTU Modules |
| PID Temperature Controller | USB to RS-232/485 Converter |
| Temperature Indicator | RS-232/485 to Ethernet Converter |
| Process Indicator | Serial to Wireless Converter |
| Profile (Ramp/Sock) PID Controller | Ethernet Switch |
| Temperature / Process Indicator | RS-232/485 Isolators |
| Paperless Recorder | SCADA Software |
| Temperature Transmitter | Timer/Counter/Tachometer |
| Alarm Annunciator | Motorized Valve |
| SCR Power Controller | Combustion Control System |
| Flow Rate Indicator Cum Totalizer | Control Panels |
| Temp./Process Scanner (Multi Channel Indicator) | |



MICON AUTOMATION SYSTEMS PVT. LTD.



09723462390



A-814, Siddhi Vinayak Towers, B/H. DCP Office,
Off, S.G. Road, Makaraba,
Ahmedabad, Gujarat, India - 380051



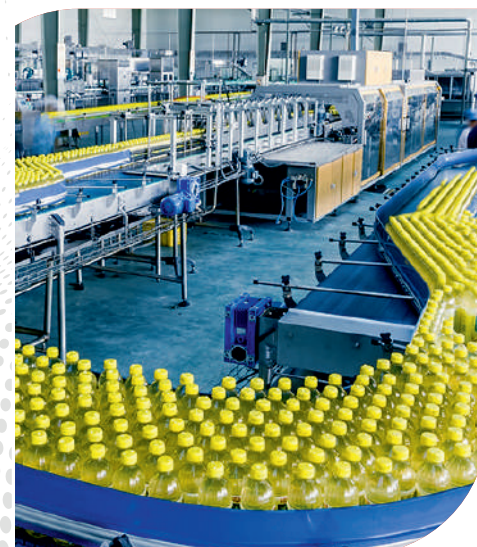
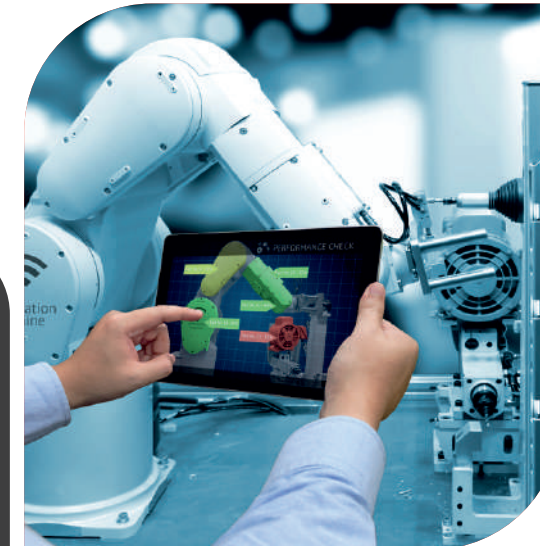
sales@miconindia.com
info@miconindia.com

www.miconindia.com



Providing Complete Solution of Automation

We are India's leading supplier of instrumentation, automation & communication Products.



www.miconindia.com



PI		3035ie 3043ie 3070ie 3102ie 3070i 3102i 3070i-SL						
CPU		Cortex A35 1.2GHz				Cortex A7 528MHz		
TOUCH SCREEN		Resistive				High precision 4-wire resistive		
DISPLAY	Screen Size	3.5''	4.3''	7''	10.2''	7''	10.2''	7''
	Resolution	320*240	480*272	800*480	1024*600	800*480	1024*600	800*480
	Brightness	300cd/m ²		250cd/m ²	350cd/m ²	250cd/m ²	350cd/m ²	250cd/m ²
	Backlight	LED						
	Backlight life	50k hours						
	Colors	16,000k						
STORAGE	Flash	128MB						
	RAM	DDRII 64 MB				DDRIII 128 MB		
	SD Card	NA						
PORTS	USB	micro-USB 2.0 x 1		USB Host: USB 2.0 x 1; USB Client: USB 2.0 x 1				
	Serial Port	COM1: RS232; COM2: RS485/RS422						
	Ethernet	N/A					Yes	N/A
POWER	Power Supply	24V DC (12~28V DC)						
	Power Consumption	< 5W		< 8W	< 10W	< 8W	< 10W	< 8W
DIMENSION	Enclosure	Plastic + ABS (Polycarbonate)						
	Dimensions (WHD) mm	96.0*81.0*33.0	142.0*86.0*30.3	201.2*147.2*39.0	272.0*191.0*41.5	201.2*147.2*39.0	272.0*191.0*41.5	191.2*137.0*41.0
	Mounting (WH) mm	91.0*73.0	131.0*78.0	192.0*138.0	260.0*179.0	192.0*138.0	260.0*179.0	172.0*111.0
	Weight kg	0.14	0.19	0.52	1.02	0.51	1.00	0.52
ENVIRONMENT	Protection	IP65 (Front Panel)						
	Temperature	Storage: -20℃ ~ 70℃; Working: -10℃ ~ 55℃						
	Humidity	10~90% RH (Non-Condensing)				10~85% RH (Non-Condensing)		
	Vibration Resistance	10~25Hz (X, Y, Z direction 2G/30 minutes)						
CE Certification		CE Marked						
FCC Certification		FCC Class A						
Programming Software		PI Studio						
Remote Control		N/A						
RTC		Yes						



PI-IG		3070ig/3070ig-O	3102ig/3102ig-O	8150ig
CPU		Cortex A35 1.2GHz		
TOUCH SCREEN		Resistive		
DISPLAY	Screen Size	7"	10.2"	15"
	Resolution	800*480	1024*600	1920*1080
	Brightness	250cd/m ²	350cd/m ²	220cd/m ²
	Backlight Type	LED		
	Backlight Life	50k hour		
	Colors	16,000k		2.60k
STORAGE	Flash	128 MB		4GB
	RAM	DDRIII 128 MB		DDRIII 512 MB
	SD Card	Yes		Yes (TF Card)
I/O PORTS	USB	USB Host: USB 2.0 x 1; USB Client: USB 2.0 x 1 (Can't be used at same time)		
	Serial Port	COM1: RS232; COM2: RS485/RS422; COM3: RS485		
	Ethernet	Yes		
	CAN	N/A		
POWER	4G/WiFi Module	Optional(Not applicable for ig-O model)		
	Power Supply	24V DC (12~28V DC)		
	Power Consumption	< 8W	< 10W	< 15W
	Enclosure	Plastic + ABS (Polycarbonate)		Aluminium + Metal + ABS
DIMENSIONS	Dimensions (WHD) mm	201.2*147.2*39.0	272.0*191.0*41.5	403.0*253.0*35.2
	Mounting (WH) mm	192.0*138.0	260.0*179.0	394.0*244.0
	Weight kg	0.52	1.02	2.46
	Protection	IP65 (Front Panel)		
ENVIRONMENT	Temperature	Storage: -20℃ ~ 70℃; Working: -10℃ ~ 55℃		Storage: -20℃ ~ 60℃ Working: 0℃ ~ 50℃
	Humidity	10~90% RH (Non-Condensing)		
	Vibration Resistance	10~25Hz (X, Y, Z direction 2G/30 minutes)		
CE Certification		CE Marked		
FCC Certification		FCC Class A		
Programming Software		PI Studio		
SOFTWARE IoT Service (optional)	Real time Monitoring Points	100		300
	Alarm Monitoring Points	20		200
	History Monitoring Points	50		100
	History Storage	60 days / 1 millions		120 days / 1 millions
	VPN	Yes		
RTC		Yes		



V-BOX

V-BOX								
		H-00	H-WF	H-AG	E-00	E-4G		
CPU		Cortex A7				ARM 9		
STORAGE	FLASH	128 MB						
	RAM	DDRIII 128MB			DDRII 64MB			
I/O PORTS	USB	micro-USB 2.0 x 1						
	SERIAL PORTS	COM1: RS232; RS422/485						
	ETHERNET	3 ports			1 port			
	WiFi MODULE	N/A	YES	N/A	N/A			
	4G MODULE	N/A	N/A	4G	N/A	4G		
	I/O	2 inputs with optocoupler isolation; 2 relay output				N/A		
POWER	SUPPLY	24 V DC (12 ~ 28 V DC)						
	CONSUMPTION	<10W						
DIEMNSIONS	ENCLOSURE	PC+ABC			Cold rolled steel sheets			
	DIMENSIONS (WHD) mm	131.0*100.5*46.0			101.0*73.2*26.8			
	WEIGHT Kg	0.3			0.26			
ENVIRONEMENT	VIBRATION	IEC61131-2 Standard						
	STORAGE	-20℃ ~ 70℃						
	WORKING	-10℃ ~ 60℃						
	%RH	10 ~ 85% Rh (Non-Condensing)						
CE CERTIFACTION		CE Marked						
FCC CERTIFICATION		FCC Class A Marked						
REAL TIME MONITORING POINTS		300		600	200	250		
ALARM MONITORING POINTS		200		300	50	100		
HISTORY MONITORING POINTS		50		100	20	50		
HISTORY STORAGE		90 days/1 million		180 days/1 million	60 days/1 million	90 days/1 million		
NORMAL PASS -THROUGH		YES						
WVPN PASS -THROUGH		YES	YES		N/A			
EDGE COMPUTING (LUA SCRIPT)		YES			N/A	YES		
API INTERFACE		YES						
REMOTE UPDATE		YES						
CONFIGURATION DOWNLOAD/UPLOAD		YES						
OFF LINE TRANSMISSION		YES						
GPS		N/A		LBS	N/A	LBS		



PLC

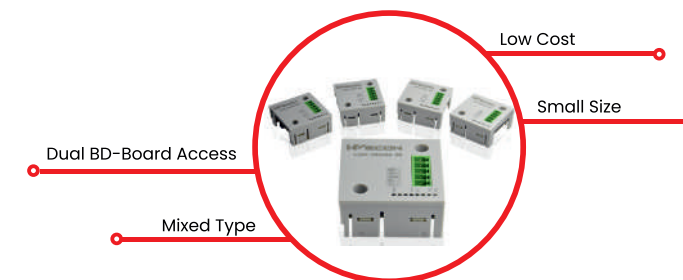


PLC				
	LX3V	LX5V	LX5S	
RUNNING MODE	Round Scan/Interrupt			
PROGRAMMING	Instruction List/Ladder			
TOTAL INSTRUCTIONS	Basic: 27; Application: 138		Basic: 29; Application: 170	
EXECUTE TIME (μs)	Basic Instruction: 0.06 Application Instruction: 1 ~ 10		Basic Instruction: 0.01 ~ 0.03 Application Instruction: 1 ~ 10 0.03 ~ 0.008	
SYSTEM STORAGE	16KB		512KB	
DOWNLOAD/MONITORING	Serial Programming Cable (Serial Port)/Micro USB / Ethernet for LX5V & LX5S(Optional)			
HIGH SPEED PULSE OUTPUT	Transistor: 2 channels (4 channels optional) Relay: N/A (2 channels optional)		Transistor: 4 channels/200KHz (8 channels optional) Transistor: 2 channels/200KHz	
EXTERNAL INTERRUPT	6 channels		X0 ~ X7 rising & falling X0 ~ X5 rising & falling	
TIMER INTERRUPT	3 channels		100 channels 100 channels	
HIGH SPEED INPUT SINGLE PHASE	2 channels 200KHz; 4 channels 5KHz		4 channels 150KHz (8 channels optional) 2 channels 150KHz (4/6 channels optional)	
HIGH SPEED INPUT AB PHASE	1 channel 100KHz		4 channel 100KHz (8 channels optional) 1 channel 100KHz (3 channels optional)	
HOLDING ADDRESSES	Adjustable by software			
STORAGE	Flash		Flash EMMC	
ETHERNET	N/A		100M(Optional)	
SERIAL PORT	COM1: RS422/485; COM2: RS485			
TEMPERATURE	Working: 0℃ ~ 55℃; Storage: -20℃ ~ 70℃		Working: 0℃ ~ 55℃; Storage: 0℃ ~ 70℃	
HUMIDITY	5~85% RH (Non-Condensing)		35~85% RH (Non-Condensing)	
SHOCK RESISTANCE	JIS C0040 Standard			
POWER SUPPLY	85~265 V AC , 50~60 Hz OR 24 V DC ± 10%			

PLC EXPANSION BD Module

Technical Specifications

- Model No. LX3V-2AD2DA-BD,
BD Board input: 2 Chanel Analog &
Output: 2 Chanel Analog (4~20mA)
- Model No. LX3V-2PT2DA-BD,
BD Board input: 2 Chanel RTD &
Output: 2 Chanel Analog (4~20mA)



PLC EXPANSION MODULE

- Model No. LX3V IWT1
Chanel Weight Input Resolution: 24 bits
- Model No. LX3V-4DA
Output: 4 Chanel Analog Resolution: 12 bits
- Model No. LX3V-4AD
Input: 4 Chanel Analog Resolution: 16 bits
- Model No. LX3V-4TC
Input: 4 Chanel Thermocouple TC Module: K Type; -100 ~ +1200 (°C);
J Type, -100 ~ +600 (°C); Resolution: 14bits
- Model No. LX3V-4PT,
Input: 4 Chanel RTD PT100, -100 ~ +600(°C) Resolution: 14bits
- Model No. LX3V-16EX, Input: 16 Chanel DI
- Model No. LX3V-16YT, Output: 16 Chanel transistor
- Model No. LX3V-16YR, Output: 16 Chanel Relay





WECON Servo Drives

High Response

High performance CPU,Faster data reading.
Faster calculation and sampling speed

Easy to Debug

Automatic load parameter tuning function.

Strong Protection

Coating protection, anti-corrosion;
Rich protection functions, more stable.

Personalize

Virtual DI/DO function, four-channel real-time oscilloscope

Multiple Functions

Various functions such as board cutting, multi-face chamfer,
special shape, profiling, etc.

Applications

Automatic Plug Wiring Machine, Packaging Machinery, Cutting
Machinery, Winding Machinery, Face Mask Machinery, Rubber
Machinery, Automated Production Lines, Industrial Robots



Item		Vd2 Series
Basic Specifications	Control Method	IGBT PWM controlled sine wave current drive
	Encoder	2500ppr incremental encoder; 17 bit, 23 bit absolute encoder
	Input Signal	8*DI
	Output Signal	4*DO
	Analog Signal Input	2*AI input(-10v~10v)
	Pulse Signal Input	Open collector or differential input
	Pulse Feedback Output	A,B,Z differential output
	Internal Instructions	Support 8 internal speed commands and internal multi-segment position commands
	Communication/Debug	Support to communicate with modbus device and debug with SCTools at the same time. (SCTools can set & monitor servo parameters, monitor waveform, self-tuning parameter, etc.)
	Braking Resistor	400W without built-in baking resistor; both support external braking resistor
	Protective Function	Overvoltage, undervoltage, overcurrent, overspeed, overload, overheating, encoder failure, excessive position deviation, torque limit, speed limit, etc
		Support
	Pulse Input	Pulse Frequency
		Pulse Type
	Speed Mode	Command Input
		Zero Clamp
	Torque Mode	Command Input
		Torque Reaching



LX6V series PLC

New Launched Modular EtherCAT PLC

Multi-port, fast communication, brand new product

- Supports EtherCAT and USB TYPE-C
- Supports 61131-3 LD programming mode, free tag protocol, faster and more efficient communication
- Nice appearance of PLC and module



Item	LX6V-0808MT/I616MT
Running Mode	Cycle Scan/ Interrupt
Programming	Instruction table/ladder diagram/FB/FC
Total Instructions	Basic instruction: 29/Application instruction: 170
Execute time	Basic Instruction 0.01-0.02μs
System EMMC	5M
Download/ Monitoring	Programming cable (Part)
	EtherNET
	USB TYPE-C
High Speed Pulse Output	Transistor type 4 channels/ 8 channels/200KHz
High speed counter interrupt	100 channels
Timer Interrupt	100 channels, support 0.1ms interrupt
External input interrupt	XO-X7 supports both rising and falling edges
High Speed Input Single	4 channels 150 Khz
High Speed Input AB Phase	4 channels 100K Hz, supports 2 or 4 frequency multiplication
Power-down save	Adjusted by software
Fiter	For all the input terminals
Serial Port	Rs485, Rs485
Temperature	Working Temperature: 0-55C/Storage Temperature: -20-70°C
Humidity	35-85%RH (Without condensation)
Shock Resistance	JISCO040 Standard
Influence Immunity	Meet the IEC61000-4-4 and GB/T 17626.4 standard: Noise voltage amplitude 1KVP-P, pulse width 10us, period 0.3 s, edge time 5ns, duration 1min.
TF	Support
ETHERNET	1000M Ethemet
ETHERCAT	Up to 128 servo axis



Temperature Controller



AI-208 / AI-509

- **Input:** K,E,J,N (Thermocouple) and PT100 (RTD)
- **Output:** Relay, SSR (Fix AI-208) (Modular AI-509)
- **Control Algorithm:** AI PID OR ON/OFF; Auto Tuning
- **Set Point:** Set point Range Limit
- **Alarm:** High, Low, High Deviation and Low Deviation (Plug-in type Modules)
2 Alarm (AI-208), 4 Alarm (AI-509)
- **Power Supply:** 100-240 VAC/50-60Hz OR 24 V AC/DC
- **Accuracy:** 0.3%FS $\pm$ 1°C
- **Display Resolution:** 0.1°C 3 digit display (AI-208) , 4 Digit Display (AI-509)

Advanced Process PID Controller



AI-708 / AI-808 / AI-719 / AI-759

- **Input:** Universal All type of Thermocouple and PT100, Cu50 (RTD),
Linear Voltage, Linear Current, mV, 2 wire Transmitter input
- **Output:** Relay, SSR, Linear Voltage, Linear Current, SCR Phase Shift Trigger,
Servo Valve Control (AI-808/719), Soft Start (AI-719), Output Range Limit
- **Display:** 4 Digit display(AI-708/808/719), 5 Digit Display (AI-759)
- **Control Algorithm:** On-Off; AI PID with Auto Tuning; Dual Heating &
Cooling Output with PID; Auto-Manual function (AI-808/719)
- **Set Point:** Set point Range Limit; Dual Set Point Switch; Remote Set point
- **Alarm:** High, Low, High Deviation and Low Deviation
- **Communication:** RS-485, RS-232 (Plug-In Modules)
- **Re Transmission O/P:** Linear Current or Voltage (SV OR PV)
- **Power Supply:** 100-240 VAC/50-60Hz OR 24 V AC/DC
- **Accuracy:** 0.2%FS

Available Sizes For All Models



D2
48x48 mm
HxW



D
72x72 mm
HxW



E
96x48 mm
HxW



F
48x96 mm
HxW



A/A2
96x96 mm
HxW



E5
96x48 mm
Din Rail Blind



E7/D7
100x22 mm
HxW

Multi Channel Indicator (Scanner)



AI-702M/ AI-704M/ AI-706M

- **Input:** Universal [All type of T/C and PT100, Cu50 (RTD), Linear Voltage,
Linear Current, mV, 2 wire Transmitter input]
- **No. of Channels:** 2/4/6
- **Alarm:** High, Low individual for each channel (configurable)
- **Communication:** RS-485, RS-232 (Plug in type Modules)
- **Output:** 0/4-20 mA, 0/1-5 V, 0/2-10 V Retransmission (for Max. 2 Channel)
- **Power Supply:** 100-240 VAC/50-60Hz OR 24 V AC/DC

Universal Controller



AI-526 / AI-519

- **Input:** Universal [All type of T/C and PT100, Cu50 (RTD), Linear Voltage,
Linear Current, mV, 2 wire Transmitter input]
- **Output:** Relay, SSR, Linear Voltage, Linear Current, SCR Phase Shift Trigger,
(Plug in type Modules); Output Range Limit; Soft Start Option (AI-519)
- **Control Algorithm:** On-Off; AI PID with Auto Tuning; Dual Heating & Cooling
Output with PID; Auto-Manual function (AI-519)
- **Set Point:** Set Point Range Limit; Dual Set Point Switch
- **Alarm:** High, Low, High Deviation and Low Deviation (Plug in type Modules)
Alarm blocking at the beginning of power on
- **Communication:** RS-485, RS-232 (Plug in type Modules)
- **Protocol:** AIBUS, MODBUS Protocol
- **Power Supply:** 100-240 VAC/50-60Hz OR 24 V AC/DC
- **Accuracy:** 0.3% FS $\pm$ 1°C

Universal Profile Controller



AI-526P/ AI-518P/ AI-708P/ AI-808P

- **Program:** 30 Steps (AI-518P/526P); 50 Steps (AI-708P/AI-808P)
- **Input:** Universal [All type of T/C and PT100, Cu50 (RTD), Linear Voltage,
Linear Current, mV, 2 wire Transmitter input]
- **Output:** Relay, SSR, Linear Voltage, Linear Current, SCR Phase Shift Trigger,
Servo Valve Control / Modulating Output (AI-808) (Plug in type Modules);
Soft Start Option); (AI-808); Output Range Limit
- **Control Algorithm:** On-Off; AI PID with Auto Tuning; Dual Heating & Cooling
Output with PID; Auto-Manual function (AI-808P)
- **Alarm:** High, Low, High Deviation and Low Deviation
- **Communication:** RS-485, RS-232 (Plug-in type modules)
- **Power Supply:** 100-240 VAC/50-60Hz OR 24 V AC/DC
- **Accuracy:** 0.2%FS
- **Display Resolution:** 0.1°C for T/C & RTD; 0.001 for Analog Input

Universal Indicator



AI-500 / AI-501 / AI-751

- **Input:** Universal [All type of Thermocouple and PT100, Cu50 (RTD), Linear
Voltage, Linear Current, mV, 2wireTransmitter input, AC Amp., AC Voltage.
- **Display:** 4 Digit display(AI-500/AI-501), 5 Digit Display (AI-751)
- **Output:** 0/4-20 mA, 0/1-5 V, 0/2-10 V Retransmission
- **Alarm:** High, Low, High-High, Low-Low
- **Power Supply:** 100-240 VAC/50-60Hz OR 24 V AC/DC
- **Communication:** RS-485, RS-232 (Plug-In Modules)
- **Protocol:** AIBUS+Modbus (AI-500/501), Modbus (AI-751)
- **Accuracy:** Pressure, flow, level, humidity, etc with measurement accuracy
of 0.2% full scale (0.3% full scale for AI-500)

Flow Totalizer



AI-708 H / AI-808H

- **Flow Input:** Linear Voltage-Current, Pulse Input
- **Temperature Input:** RTD PT-100 OR Thermocouple (K,E,J)
- **Pressure Input:** Linear Voltage, Linear Current
- **Compensation:** Temperature & Pressure with AI-808
- **Display:** Flow Rate, Accumulated or Total Flow, Pressure & Temperature
- **Accuracy:** 0.2%FS
- **Output for Batch Control:** Relay
- **Alarm:** High & Low Alarms for Flow, Temperature and Pressure
- **Communication:** RS-485 (Plug-in Module)
- **Re Transmission O/P:** Linear mA, Voltage for flow
- **Power Supply:** 100-240 VAC/50-60Hz OR 24 V AC/DC



Multi-channel Controller



AI-7048

- 4 Channel Supported Input & Output
- **Input:** All type of Thermocouple, Linear Voltage
- **Output:** SSR Voltage
- **Control:** AIPID with Auto Tuning
- 4 PID Loops for Each Channel
- **Communication:** RS-485 AIBUS
- Separate Configuration for Each Channel
- **Measurement Accuracy:** 0.2% FS $\pm 1^{\circ}\text{C}$
- **Power Supply:** 100~240VAC/50~60Hz, 24VDC
- **Size:** 96x48x100 mm (HxWxD) E5 Din Rail Mounting

Alarm Annunciator



AI-302M-B7

- No. of Windows-8
- **Alarm:** Relay Contact Output 250VAC/1A; Built-In-Buzzer
- **Acknowledge/Test:** From Front Key or From Terminals
- **Power Supply:** 100~240 VAC/50~60Hz OR 24 V AC/DC
- High Brightness
- **Size:** 160x80x100mm

Multi-channel touch screen recorder



AI-3506M

- Multi-channel touch screen recorder.
- **Display:** TFT true colour
- **Input:** universal TC, RTD, mA, V
- **Alarm:** max. 4 alarm
- **Memory:** 150Mb
- **Communication:** Modbus TCP/IP
- Export process value and alarm data
- Graph of temperature vs time

Touch Screen PID Controller



AI-516/516P - F5/F7

- Multi-channel touch screen artificial intelligence universal controller
- Controller/ Industry regulator
- **Colour:** TFT true colour
- **Input:** universal input TC,RTD, mA, V, resistance
- **Output:** universal output 0/4~20 mA, 0/1~5 VDC, 0/2~10 VDC
- **Alarm:** max. 4 alarm
- **Communication:** Modbus TCP/IP
- Export process value and alarm Data

High Precision Thermometer



AI-5500 / AI-5600

- **Input:** K, S, E, J, R, B, N, Thermocouple, PT100
(Cu50,Cu100,mV & mA signal for AI-5600)
- **Accuracy:** $\pm 0.5^{\circ}\text{C}$ (AI-5500), 0.02% FS (AI-5600)
- **Display:** mV, $^{\circ}\text{C}$,F,K, (mA for AI-5600)
- Powered By 3 AA cell
- **Battery Life:** 1500 Working Hours

SCR Triggering Device



AIJK-30/33

- **Wiring:** AIJK-3: Star Connection 4 Wire, 2 Phase, 1 Phase control
AIJK-6: Delta 3 wire, Star 3 wire
- **Control Input:** 0~20mA(0~5V), and 4~20mA(1~5V) Signal inputs are selectable
- **Trigger Output:** Linear Phase Angle Fired output (Designed up to 300A)
- **Alarm:** Phase failure and over shoot checking and alarming
- **Power Supply:** 220VAC, 50 Hz
- **Output source (Built-In):** 5V and 24V DC
- **Soft Start/Soft Stop Time:** Up to 3600 second

Signal Isolater



AI - 7021

- 2 Channel Universal Input
- **Input:** All types of Thermocouple, PT 100, CU 50, Linear Voltage-Current
- **Output:** Linear Current (4~20/0~20mA),Linear Voltage
- Separate Configuration for Each Channel
- **Measurement Accuracy:** 0.2% FS $\pm 1^{\circ}\text{C}$
- **Retransmission Accuracy:** 0.3% FS
- Compact Size Din Rail Mounting
- Can be Configured by External E8 Display
- **Power Supply:** 100~240VAC/ 50~60 Hz 24VDC
- **Power Consumption:** <3W
- **Size:** 96x48x100 mm (HxWxD)

YD Series Safety Barrier



YD5000 / YD6000

- Input Thermocouple, RTD, 4~20mA, 0~20mA, 0~10mA, 1~5V, 0~5V, 0~10V
Output 4~20mA, 0~20mA, 0~10mA, 1~5V, 0~5V, 0~10V
- **Power voltage:** 20~30VDC
- Model and Code Structure
YD5041-----1 In 1 Out
YD5043-----1 In 2 Out
YD5044-----2 In 2 Out
- Hart Protocol Supported



RS-232 to RS-422 Interface Converter



ATC-101

- **Interface:** Confirms to EIA RS-232C & RS-422 Standards
- **Connector:** RS 232 DB9 F; RS422 DB9 M & Terminal Block
- **Operation Mode:** Asynchronous Half Duplex
- **Data Rate:** 300 to 115.2 kbps , up to 4000 ft at 19200 bps
- **Power:** Port Powered from RS-232 Data TD
- **Environment:** 0°C to 50°C, 5% to 95% Relative Humidity
- **Certificates:** RoHS, CE, FCC

RS-232 Port Powered Isolator



ATC-131

- **Interface:** Confirms to EIA RS-232C Standards
- **Connector:** RS 232 DB9 F DCE; RS232 DB9 M DTE
- **Operation Mode:** Asynchronous Full Duplex
- **Data Rate:** 300 to 57.6 kbps
- **Isolation:** 2500V in Succession or 7500V Pulse
- **Power:** Port Powered from RS-232 Data TD
- **Environment:** -20°C to 70°C, 5% to 95% Relative Humidity
- **Certificates:** RoHS, CE, FCC

4-Port Rs-485 Hub



ATC-1204

- **Interface:** Compatible EIA RS-232C, RS-485 Standard
- **Electric Interface:** RS-232 with RJ-45 & RJ-45 pin RS-485
- **Transmission Rate:** 115.2kbps to 300bps
- **Working Mode:** Asynchronous Half Duplex
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- **Protection:** RS-232 Interface $\pm 15kV$ ESD Protection
- **Distance:** 0-2km (57.6kbps-300bps)

RS-422 to USB Converter



ATC-840

- **Computer Interface:** USB2.0 Plug and Play
- **Support:** Windows 98/ME/XP/2000/ Vista/7/8, MAC & Linux
- **Field Interface:** RS-422 Full Duplex
- **Transmission Rate:** 300bps to 1Mbps
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- **DB9 Male Connector** for RS-422 with Terminal Block
- **Power:** From USB Port

RS-232 to TTL Port Powered Converter



ATC-102

- **Interface:** Confirms to EIA RS-232C & TTL Standards
- **Connector:** RS 232 DB9 F; TTL DB9 M & Terminal Block
- **Operation Mode:** Asynchronous Communication
- **Data Rate:** 300 to 115.2 kbps
Transmission Distance: TTL side 10 meter at 19.2 kbps
- **Power:** Port Powered from RS-232 Data TD
- **Certificates:** RoHS, CE, FCC

RS-232 Isolator Line Booster



ATC-155

- **Interface:** Confirms to EIA RS-232C & CCITT V.24
- **Connector:** RS 232 DB9 F, RS 232 DB9 M line Side
- **Operation Mode:** Asynchronous Full Duplex / Simplex
- **Distance:** 12km @ 600bps; 100m @57.6kbps
- **Isolation:** 3500V @ 1s or 7500 V Impulse
- **Power:** Serial Port Self Power Supply
- **Adopt Photoelectric Isolation** to Prevent Device Damage
- **Certificates:** RoHS, CE, FCC

RS-232 to USB Converter



ATC-810

- **Computer Interface:** USB2.0 Plug and Play
- **Support:** Windows 98/ME/XP/2000/ Vista/7/8, MAC & Linux
- **Using FTDI Chipset** for Industrial Area
- **Transmission Rate:** Over 460kbps
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- **DB9 Male Connector** for RS-232
- **Power:** From USB Port

Isolated RS-232/422/485 to USB Converter



ATC-850

- **Computer Interface:** USB2.0 Plug and Play
- **Support:** Windows 98/ME/XP/2000/ Vista/7/8, MAC & Linux
- **Field Interface:** Full duplex Rs232; RS-485/422 Half Duplex
- **Transmission Rate:** 300bps to 1Mbps
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- **Isolation:** 3500VRMS 500VDC Sequence
- **Power:** External 9VDC Power Supply from Adapter

RS-232 to RS-422/485 Isolated Converter



ATC-105

- **Interface:** Confirm to EIA RS-232C & RS-485/422 Standard
- **Connector:** RS232 DB9 F; RS485/422 Terminal Block
- **Operation Mode:** Asynchronous Half or Full Duplex
- **Data Rate:** 9600 to 115.2 kbps
- **Transmission Distance:** 300m (115.2 kbps) 5km (9600kbps)
- **Power:** External 9-12 VDC
- **Isolation:** Built in Photoelectric Isolator offer 3500V Isolation
- **Certificates:** RoHS, CE, FCC

RS-232 to RS-422/485 Interface Converter



ATC-107N

- **Industrial Class Wall Mounted Interface Converter**
- **Interface:** Compatible with EIA RS232C & RS-485/422 std
- **Connector:** RS 232 RJ45 with DB9cable; RS-485/422 Terminal
- **Operation Mode:** Asynchronous Half/Full Duplex
- **Distance:** 5km @ 600bps; 1.2km @115.2kbps
- **Isolation:** 3500VRMS 500VDC Sequence
- **Adopt Photoelectric Isolation** to Prevent Device Damage
- **Certificates:** RoHS, CE, FCC

RS-485 to USB Converter



ATC-820

- **Computer Interface:** USB2.0 Plug and Play
- **Support:** Windows 98/ME/XP/2000/ Vista/7/8, MAC & Linux
- **Field Interface:** Half Duplex
- **Transmission Rate:** 300bps to 1Mbps
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- **DB9 Male Connector** for RS-485 with Terminal Block
- **Power:** From USB Port

4 Port RS-232 to USB Converter



ATC-804

- **Computer Interface:** USB2.0 Plug and Play
- **Support:** Windows 98/ME/XP/2000/ Vista/7/8,MAC & Linux
- **Field Interface:** 4 Port RS 232
- **Transmission Rate:** 300bps to 460.8kbps
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- **Connector:** 4 Port RS 232 DB-9 Male
- **Power:** From USB Port or External Power Supply

RS-232 to RS-485 Interface Converter



ATC-106

- **Interface:** Compatible with EIA RS-232C & RS-485 Standard
- **Connector:** RS 232 DB9 F; RS485 DB9 M & Terminal Block
- **Operation Mode:** Asynchronous Half Duplex
- **Data Rate:** 300 to 115.2 kbps
Transmission Distance: 4000ft (115.2 kbps)
- **Power:** Port Powered from RS-232 Data TD
- **Load Capacity:** Maximum 32 Nodes
- **Certificates:** RoHS, CE, FCC

RS-422/485 Isolated Data Repeater



ATC-109N

- **Industrial Class Wall Mounted Interface Converter**
- **Interface:** Compatible with EIA RS-485/422 Standard
- **Connector:** RS-485/422 Terminal of 6pin Both Side
- **Operation Mode:** Asynchronous Half or Full Duplex
- **Distance:** 5km @ 9600bps; 1.2km @115.2kbps
- **Isolation:** 3500VRMS 500VDC Sequence
- **Adopt Photoelectric Isolation** to Prevent Device Damage
- **Certificates:** RoHS, CE, FCC

TTL to USB Converter



ATC-830

- **Computer Interface:** USB2.0 Plug and Play
- **Support:** Windows 98/ME/XP/2000/ Vista/7/8, MAC & Linux
- **Field Interface:** TTL Logic
- **Transmission Rate:** 300bps to 1Mbps
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- **DB9 Male Connector** for TTL with Terminal Block
- **Power:** From USB Port

RS-232/422/485 to Ethernet Converter



ATC-1200

- **Computer Interface:** RJ-45 Ethernet
- **Support:** Windows 98/ME/XP/2000/7/8, MAC & Linux
- **Field Interface:** 3 in 1 RS-232/422/485 Interface
- **Transmission Rate:** 230kbps Serial & 10/100 Mbps Ethernet
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- **Supports IP Configuration** by MAC Address.
- **Power:** 9-24 VDC External Adapter Supply



1-Port Modbus Gateway



ATC-3002

- **Computer Interface:** RJ-45 Ethernet
- **Support:** Windows 98/ME/XP/2000/7/8, MAC & Linux
- **Field Interface:** 3 in 1 RS-232/422/485 Interface
- **Transmission Rate:** 230kbps Serial & 10/100 Mbps Ethernet
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- **Configuration:** Webpage / Telnet / Serial Console / Win Utility
- **Power:** 9-24 VDC External Adapter Supply

Modbus Gateway



ATC-1300

- **Interface:** RS 232/RS 485 (Optional)
- Two Way Transmission Supports GPRS & UART Interface.
- **Frequency Range:** GSM 850/900/1800/1900 MHz
- **Baud Rate:** 1200 to 115.2kbps
- Remote Sleep & Wake Up and Support Local Serial Port
- **SIM Card:** Standard 3.3V 1.8V USAR Card Interface.
- **GPRS Speed:** Upload: 1-2 kbps; Download: 3-4kbps

Serial to RF Converter



ATC-871
/873/875

- **Interface:** RS-232/422/485
- **Carrier Frequency:** 433 MHz
- **Field Interface:** Radio Frequency Up to 8 Channels
- **Transmission Rate:** 1.2kbps to 38.4kbps
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- **Transmission Distance:** 300m, 500m, 800m, 2000m @ 9.6kbps
- **Power:** 9-24 VDC External Adapter Supply

5-Port 10/100Mbps Industrial Switch



ATC-405

- **Interface:** Ethernet 10Base-T or 100Base-Tx
- **Standards:** IEEE802.3, 802.3u, 802.3x, IEEE802.1Q
- **Protocol:** Port based, MAC Address, VID, VLAN Priority
- **Dimensions:** 54x105x135mm-Din Rail Mounting
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- **Type:** Managed or Unmanaged
- **Power:** 9-24 VDC External Adapter Supply

RS-232/422/485 to Zigbee Converter



ATC-3200

- **Interface:** RS-232/422/485
- Complete IEEE 802.15.4 Spec Compliant
- **Typical receiver sensitivity:** 102dBm
- **Transmission Rate:** Typical Throughout Rate 250kbps
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- Utilities Globally Available 2.4GHz ISM Band
- **Power:** 9-24 VDC External Adapter Supply

Industrial GSM Modem



ATC-3101

- **Interface:** Compatible EIA RS-232C, RS-485 Standard
- Industrial High Speed ARM Processor
- **Frequency Range:** GSM 850/900/1800/1900 MHz
- **Baud Rate:** 1200 to 115.2kbps, UART Support RS 232/485
- Remote Dormancy and Awakening by Phone Message
- Configure GSM Modem by Serial Port
- Control via AT Commands

Wifi to Serial Converter



ATC-2000WF

- **Interface:** Compatible EIA RS-232C, RS-485 Standard
- **Support:** Ad-hoc, Infrastructure, Pseudo IBSS Mode Support
- **Transmission Rate:** Auto Negotiating 10/100 Mbps Ethernet
- Supports Vports Softwares, Offer Virtual Serial Port Software
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- **Distance:** 1000 feet Open Environment
- **Power:** 9-24 VDC External Adapter Supply

Serial to F/O Converter / Modem



ATC-277 MM/SM

- **Interface:** SC or ST
- **Interface Speed:** Maximum Up to 115.2kbps
- **Field Interface:** SM or MM Fiber Optic Cable
- **Transmission Distance:** 2.5km for MM & 20km for SM
- **Indication LED:** Sending Data-Red & Receiving Data-Green
- **Alarm:** Fiber Optic Cable Break Alarm Indication
- **Power:** 9-24 VDC External Adapter Supply

Temperature Transmitter



MI-213

- Head Mounted Temperature Transmitter
- **Input:** Thermocouple (B, E, J, K, N, R, S, T), RTD (PT100, CU50)
- **Output:** 2 Wire Terminology 4-20mA
- **Power Supply:** 12-40VDC
- Easy Configuration by Software
- Built in Cold Junction Compensation
- **Accuracy:** 0.1% FS
- **Protection:** IP00, IP66 (Mounted)
- **Mount Area:** Top of B Type Box
- **Earthquake Resistance:** 4g/2 to 150Hz
- **Response Time:** <=1 s
- **Mounted Angle:** No Limit
- **Working Temperature:** -40 to 85 °C

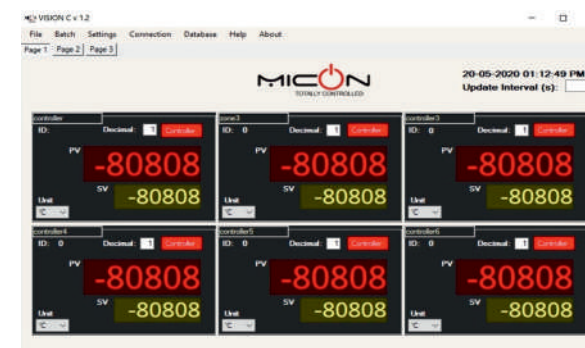
SCR Power Controller



MTPR3

- **Control Input:** 4-20mA, 1-5 VDC, 0-10 VDC
- **Load Voltage:** 100-440 VAC 3-Phase
- **Load Connection:** Delta, Star w/o Neutral
- **Load:** 30A, 60A, 80A, 100A, 150A, 200A, 300A
- Cooling Fan with Aluminum Heat Sink
- **Control Mode:** Phase Shifting Triggering
- High Speed HRC Fuse to Prevent Damage of SCR due to Shortage Current (di/dt)
- Causes of Malfunction can be Indicated by Individual LED Lamp for easy Trouble Shooting.
- Linear Output Provides Accurate Control of Temperature.
- Manual Mode Operation, can be Operate by External POT

VISION-C



- Monitoring and Data Acquisition of Parameters viz.
- Temperature, Pressure, Flow, Level, Humidity, pH, Etc.
- It supports AIBUS and Yudian MODBUS
- Consumes minimum processing power
- Extremely small installation size
- Smart error diagnostics
- Beautiful Graphics
- 18 Controllers can be operational at single time

