

AMAX-5090

1-port Isolated RS-232/422/485 Communication EtherCAT Slice IO Module



CE FCC 

Features

- Versatile Communication: The AMAX-5090 supports RS-232, RS-422, and RS-485 communication, making it adaptable to various industrial applications
- Seamless Data Transfer: With TxD and RxD channels and full/half-duplex capabilities, it ensures smooth and reliable data transmission
- Effortless Integration: Interfaces for UART and Modbus RTU to EtherCAT simplify integration into existing systems
- Robust Performance: Featuring a 1,000-byte receive and transmit buffer and a wide range of baud rates (1,200 to 115,200 bps), it guarantees efficient and high-speed data processing
- Rugged and Reliable: Built for demanding environments, it operates in temperatures ranging from -25°C to 60°C and is compliant with RoHS standards

Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P+8P pushin terminal (#24~16 AWG)
- **Enclosure** PC
- **Power Consumption** 2W@24V_{DC}
- **Bus Protocol** EtherCAT
- **Bus Transmission Rate** 100Mbps
- **LED Indicator** PWR, R/E, TxD, RxD

Serial Port

- **Channels** 1
- **Interfaces** UART (RS-232, RS-422, RS-485), Modbus RTU Client
- **Data Transfer Channels** TxD and RxD, Full/Half Duplex
- **Termination Resistor** Typ. 120 Ω, default turn off
- **Data Buffer** 1,000 bytes receive buffer, 1,000 bytes transmit buffer
- **Data Baud Rates** 1,200 ~ 115,200 bps, Default: 9,600 bps

Protection

- **Isolation Voltage** 2,000 V_{DC}

Environment

- **Operation Temperature** -25~60°C (vertical mounted)
- **Storage Temperature** -40~85°C
- **Relative Humidity** 95% (non-condense)

Ordering Information

- **AMAX-5090** 1-port Isolated RS-232/422/485 Communication EtherCAT Slice IO Module