

AMAX-5080

AMAX-5081

AMAX-5082

2-ch Counter/Encoder Input Module

1-ch TTL/RS-422 Encoder/Counter Module

1-ch SSI Encoder Module



AMAX-5080

CE FCC RoHS



AMAX-5081

CE FCC RoHS



AMAX-5082

CE FCC RoHS

Specifications

General

- Certification CE, FCC class A
- Connector Pluggable 6P+12P push-in terminal (#28 ~ 16 AWG)
- Enclosure PC
- Power Consumption 2W@24V_{DC}
- Protocol EtherCAT
- Transmission Rate 100Mbps
- Distributed Clock Supported, default inactive
- LED Indicator PWR, RUN, A+, A-, B+, B-, Z+, Z-, L+, L-

Counter/Encoder Input

- Channels 2
- Counting Range 32-bit
- Modes Counter (up/down, bi-direction, up, A/B/Z Phase, DI latch)
- Signal Input Logic 0: -3...+5 V (EN 61131-2, type 1/3)
Logic 1: 11...30 V (EN 61131-2, type 3)

Frequency

- Input Frequency 1MHz, Max. 4M increments/s (with 4-fold evaluation)

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)

Specifications

General

- Certification CE, FCC class A
- Connector Pluggable 4P+8P push-in terminal (#24~16 AWG)
- Enclosure PC
- Power Consumption 3W@24V_{DC}
- Protocol EtherCAT
- Transmission Rate 100Mbps
- Distributed Clock Supported, default inactive
- LED Indicator PWR, RUN, A, B, Z, IN, OUT

Counter/Encoder Input

- Channels 1
- Counting Range 32-bit
- Modes Counter Encoder x4, Pulse/Dir., CW/CW, Pulse/Gate, Pulse Train Output
- Power Supply +5V, 100mA
- Auxiliary IO DI *1, DO*1 (5V_{DC})
- Signal Input Single-ended 5V RS-422 differential

Frequency

- Input Frequency 10MHz, Max. 40M increments/s (with 4-fold evaluation)

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)

Specifications

General

- Certification CE, FCC class A
- Connector Pluggable 4P+8P push-in terminal (#24~16 AWG)
- Enclosure PC
- Power Consumption 3W@24V_{DC}
- Protocol EtherCAT
- Transmission Rate 100Mbps
- Distributed Clock Supported, default inactive
- LED Indicator PWR, RUN, CLK, Data, D00, D01, LATCH

Counter/Encoder Input

- Channels 1
- Counting Range ST: 0~16-bits, MT: 0~16-bits
- Modes SSI signal with Binary or Gray code
- Power Supply +12V, 80mA
- Auxiliary IO DI *1, DO*2 (24V_{DC})
- Signal Input RS-422 differential (serial)

Frequency

- Input Frequency Up to 2MHz (Configurable)

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-5080-A2 2-ch Counter/Encoder Input Module

Ordering Information

- AMAX-5081-A 1-ch TTL/RS-422 Encoder/Counter Module

Ordering Information

- AMAX-5082-A 1-ch SSI Encoder Module