

AMAX-5051T

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8-ch DI module (2-ch w/ timestamp,
6-ch w/o timestamp)

2-ch Timestamp Digital Output Module



AMAX-5051T



Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P+8P push-in terminal (#24~16 AWG)
- **Enclosure** PC
- **Power Consumption** 2W@24V_{DC}
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **LED Indicator** PWR, RUN, DI status

Digital Input (w/ timestamp)

- **Channels** 2 (DI0_TS~DI1_TS)
- **Digital Input**
 - Wet Contact (only):**
 - Logic level 1: 11~30 V_{DC}
 - Logic level 0: -3~5 V_{DC}
 - (similar to EN 61131-2, type 3)
- **Input Delay** < 0.5us
- **DI Latch** First Edge & Last Edge DI Latch
- **Resolution Timestamp** 1ns

Digital Input (w/o timestamp)

- **Channels** 6 (DI2~DI7)
- **Digital Input**
 - Dry Contact:**
 - Logic level 1: close to Iso.GND
 - Logic level 0: open
 - Wet Contact:**
 - Logic level 1: 11~30 V_{DC}
 - Logic level 0: -3~5 V_{DC}
 - (similar to EN 61131-2, type 3)
- **Input Delay** < 10us

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-5051T** 8-ch DI module (2-ch w/ timestamp, 6-ch w/o timestamp)



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Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P+8P push-in terminal (#24~16 AWG)
- **Enclosure** PC
- **Power Consumption** 2W@24V_{DC}
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **LED Indicator** PWR, RUN, DO status

Timestamp Digital Output

- **Channels** 2
- **Digital Output**
 - Rated Voltage:**
 - 10~30 V_{DC}
 - Rated Current Output:**
 - Logic level 1: 0.3A per channel
 - Logic level 0: 25 µA per channel (leakage current)
- **Output Delay** < 0.5us
- **Resolution Timestamp** 1ns

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-5056T** 2-ch Timestamp Digital Output Module