

AMAX-5051T AMAX-5056T

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

2-ch Timestamp Digital Output Module



AMAX-5051T

CE FCC

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
- **Distributed Clock** Supported, default inactive
- **LED Indicator** PWR, RUN, DI status

Digital Input (w/ timestamp)

- **Channels** 2 (DIO_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-A** 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
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- **Distributed Clock** Supported, default inactive
- **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** <1us
- **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-A** 2-ch Timestamp Digital Output Module