

AMAX-5410/P AMAX-5424V AMAX-5493M

2-port GigE/PoE Vision Frame Grabber Module

4-port USB3.0 Vision Frame Grabber Module

1-port PROFIBUS DP Master Module



AMAX-5410/P

RoHS
COMPLIANT
CE FCC

Specifications

General

- **Certification** CE, FCC class A
- **Connector** 2 x RJ45
- **Enclosure** Aluminum housing
- **Power Consumption** 2.5W@24V_{DC}
- **Bus Interface** PCIe x1
- **LED Indicator** PWR, Standby

Ethernet

- **Compatibility** IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3af
- **Speed** 10/100/1000 Mbps
- **No. of Ports** 2 Gigabit Ethernet Media Access Control (MAC) and physical layer (PHY) ports.
- **Input Voltage** 24 V_{DC} direct from AMAX-5000 CPU module
- **Output PoE Power** 48 V_{DC} PoE Power output, 15.4W per port, total Max. 20W (AMAX-5410P only)

Protection

- **ESD Protection** 8KV (air), 4KV (contact)
- **EFT Protection** 2,000 V_{DC}
- **Isolation Protection** 2,500 V_{DC}

Environment

- **Operation Temperature** -10~60°C (vertical mounted)
- **Storage Temperature** -40~85°C
- **Relative Humidity** 95% (non-condense)

Ordering Information

- **AMAX-5410** 2-port GigE Vision Frame Grabber
- **AMAX-5410P** 2-port PoE Vision Frame Grabber



AMAX-5424V

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Specifications

General

- **Certification** CE, FCC class A
- **Connector** 4 x USB 3.0 Type A
- **Enclosure** Aluminum housing
- **Power Consumption** 2.5W@24V_{DC}
- **Bus Interface** PCIe x4 (1st slot on the left side of AMAX-5580)
- **LED Indicator** PWR, Standby

USB Port

- **Host Bus** 4-lane Gen 2.0 PCIe interface, compliant with PCI Express Base Specification, Revision 2.0
- **Controller** Compliant with USB 3.0 Specification and Intel® xHCI Specification, Revision 1.0
- **Max. current** 1500 mA maximum per port
- **Data Transfer Rate** SuperSpeed (5.0 Gbps); High Speed (480.0 Mbps); Full Speed (12.0 Mbps); Low Speed (1.5 Mbps)

Protection

- **ESD Protection** 8KV (air), 4KV (contact)
- **Isolation Protection** 2,500 V_{DC} (between USB port and backplane)

Environment

- **Operation Temperature** -10~60°C (vertical mounted)
- **Storage Temperature** -40~85°C
- **Relative Humidity** 95% (non-condense)

Ordering Information

- **AMAX-5424V** 4-port USB 3.0 Vision Frame Grabber
- **1700025427-01** USB 3.0 cable, 5 m, Micro B (locking) to Type A
- **1700025428-01** USB 3.0 cable, 3 m, Micro B (locking) to Type A



AMAX-5493M

RoHS
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Specifications

General

- **Certification** CE, FCC class A
- **Connector** 2 x DB9
- **Enclosure** Aluminum housing
- **Power Consumption** 4W@24V_{DC}
- **Bus Interface** PCIe x1
- **LED Indicator** PWR, Standby, ERR, STA

Serial Communication

- **Controller** Hillscher netX100
- **Protocol** PROFIBUS DP V1
- **Signal interface** Iso. RS-485, RxD/TxD-P, RxD/TxD-N
- **Speed** 9.6 kbps ~ 12 Mbps
- **Displays** SYS, System status LED

Protection

- **ESD Protection** 8KV (air), 4KV (contact)
- **Isolation Protection** 2,500 V_{DC}

Environment

- **Operation Temperature** -10~60°C (vertical mounted)
- **Storage Temperature** -40~85°C
- **Relative Humidity** 95% (non-condense)

Ordering Information

- **AMAX-5493M** 1-port PROFIBUS DP Master Module