

Коммуникационные платы с шиной серии PCI Express

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

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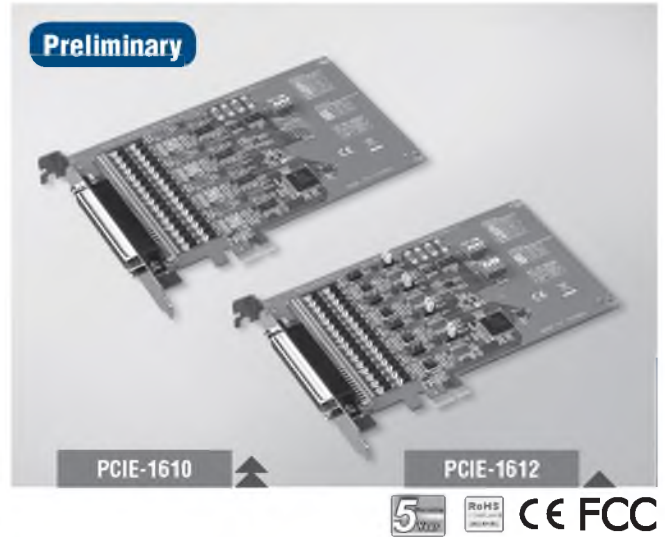
PCIE-1602 PCIE-1604 PCIE-1610 PCIE-1612

2-port RS-232/422/485 PCI Express Communication Card

2-port RS-232 PCI Express Communication Card

4-port RS-232 PCI Express Communication Card

4-port RS-232/422/485 PCI Express Communication Card



Features

- PCI Express bus 2.0 compliant
- Speeds up to 921.6 kbps for extremely fast data transmission
- Supports any baud rate setting
- 2 x RS-232 or RS-232/422/485 ports
- Operating systems supported: Windows 2000/XP/Vista/7, Linux 2.4/2.6/3.x.x, QNX6.5 and Vxworks
- XR17V352 UART with 256-byte FIFOs

Specifications

General

- **Bus Type** PCI Express bus 2.0 compliant
- **Bus Interface** PCI Express x1
- **Certification** CE, FCC class A
- **Connectors** 2x male DB9
- **Dimensions (L x W)** 119.63 x 111 mm (4.71" x 4.4")
- **Power Consumption** 260 mA @ +3.3 V (typ.)

Communications

- **Comm. Controller** XR17V352
- **Data Bits** 5, 6, 7, 8
- **FIFO** 256 bytes
- **Parity** None, Odd, Even, Mark and Space
- **Speed** 50 bps - 921.6 kbps
- **Stop Bits** 1, 1.5, 2

Software

- **Bundled Software** ICOM Tools
- **OS Support** Windows Xp, win7, win8, win8.1, win10, server 2008, server2012, Linux 2.6.x, 3.x.x, Qnx 6.3, 6.5, Vxworks 6.9

Environment

- **Operating Humidity** 5 - 95 % RH, non-condensing
- **Operating Temperature** 0 - 70°C (32 - 158°F)
- **Storage Temperature** -25 - 85°C (-13 - 185°F)

Protection

Model Name	ESD Protection	EFT Protection	Surge Protection	Isolation Protection
PCIE-1602B	15KV (air), 8KV (contact)	1000 V	1000 V	
PCIE-1602C	15KV (air), 8KV (contact)	1000 V	1000 V	3000 V _{oc}
PCIE-1604B	15KV (air), 8KV (contact)	1000 V	1000 V	
PCIE-1604C	15KV (air), 8KV (contact)	1000 V	1000 V	3000 V _{oc}

Ordering Information

- **PCIE-1602B** 2-port RS-232/422/485 PCI Express Comm. Card w/Surge
- **PCIE-1602C** 2-port RS-232/422/485 PCI Express Comm. Card w/Surge & Isolation
- **PCIE-1604B** 2-port RS-232 PCI Express Comm. Card w/Surge
- **PCIE-1604C** 2-port RS-232 PCI Express Comm. Card w/Surge & Isolation

Features

- PCI Express bus 2.0 compliant
- Speeds up to 921.6 kbps for extremely fast data transmission
- Supports any baud rate setting
- 4 x RS-232 or RS-232/422/485 ports
- Operating systems supported: Windows 2000/XP/Vista/7, Linux 2.4/2.6/3.x.x, QNX6.5 and Vxworks
- XR17V354 UART with 256-byte FIFOs

Specifications

General

- **Bus Type** PCI Express bus 2.0 compliant
- **Bus Interface** PCI Express x1
- **Certification** CE, FCC class A
- **Connectors** 1x Female DB37
- **Dimensions (L x W)** 168 x 111 mm (6.6" x 4.4")
- **Power Consumption** 260 mA @ +3.3 V (typ.)

Communications

- **Comm. Controller** XR17V354
- **Data Bits** 5, 6, 7, 8
- **FIFO** 256 bytes
- **Parity** None, Odd, Even, Mark and Space
- **Speed** 50 bps - 921.6 kbps
- **Stop Bits** 1, 1.5, 2

Software

- **Bundled Software** ICOM Tools
- **OS Support** Windows Xp, win7, win8, win8.1, win10, server 2008, server2012, Linux 2.6.x, 3.x.x, Qnx 6.3, 6.5, Vxworks 6.9

Environment

- **Operating Humidity** 5 - 95 % RH, non-condensing
- **Operating Temperature** 0 - 70°C (32 - 158°F)
- **Storage Temperature** -25 - 85°C (-13 - 185°F)

Protection

Model Name	ESD Protection	EFT Protection	Surge Protection	Isolation Protection
PCIE-1610B	15KV (air), 8KV (contact)	1000 V	1000 V	
PCIE-1612B	15KV (air), 8KV (contact)	1000 V	1000 V	
PCIE-1612C	15KV (air), 8KV (contact)	1000 V	1000 V	3000 V _{oc}

Ordering Information

- **PCIE-1610B** 4-port RS-232 PCI Express Comm. Card w/Surge
- **PCIE-1612B** 4-port RS-232/422/485 PCI Express Comm. Card w/Surge
- **PCIE-1612C** 4-port RS-232/422/485 PCI Express Comm. Card w/Surge & Isolation

Note: this series includes cable OPT4A.

Accessories

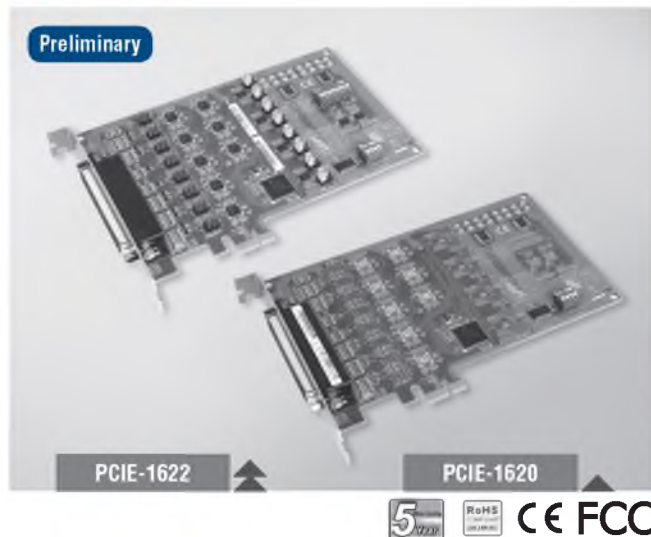
- **OPT4A** DB37 x1 to DB9 x4 Cable, 30cm
- **1700018791** DB37 x1 to DB25 x4 Cable, 30cm

PCIE-1620

PCIE-1622

8-port RS-232 PCI Express Communication Card

8-port RS-232/422/485 PCI Express Communication Card



Features

- PCI Express bus 2.0 compliant
- Speeds up to 921.6 kbps for extremely fast data transmission
- Supports any baud rate setting
- 8 x RS-232 or RS-232/422/485 ports
- XR17V358 UART with 256-byte FIFOs

Introduction

PCIE-1620 is an 8-port RS-232, and PCIE-1622 is an 8-port RS-232/422/485 PCI Express communication cards that are compatible with the PCI Express x1 specification. The cards provide eight EFT protected ports up to 1,000 V, and have many functions such as high transmission speed of 921.6 kbps; The cards utilize high-performance XR17V358 UARTs with 256-byte FIFOs to reduce CPU load. Thus, the PCIE-1620 and PCIE-1622 are especially suitable for making reliable systems in multitasking environments.

Specifications

General

- **Bus Type** PCI Express bus 2.0 compliant
- **Bus Interface** PCI Express x1
- **Certification** CE, FCC class A
- **Connectors** 1x Female DB62 (PCIE-1620A/22A/22B)
1x Female DB78 (PCIE-1622C)
- **Dimensions (L x W)** 168 x 111 mm (6.6" x 4.4")
- **Power Consumption** 260 mA @ +3.3 V (typ.)

Communications

- **Comm. Controller** XR17V358
- **Data Bits** 5, 6, 7, 8
- **Data Signals** RS-232: Tx+, RxD, RTS, CTS, DTR, DSR, DCD (PCIE-1620A/22A/22B) Tx+, RxD, RTS, CTS, DTR, DSR, DCD, RI (PCIE-1622C)
RS-422: Tx+, Tx-, Rx+, Rx- (PCIE-1620A/22A/22B) CTS+, CTS-, RTS+, RTS-, Tx+, Tx-, Rx+, Rx- (PCIE-1622C)
RS-485: Data+, Data- (PCIE-1622)
- **FIFO** 256 bytes
- **Flow Control** DTR/DSR, RTS/CTS, Xon/Xoff
- **Parity** None, Odd, Even, Mark, or Space
- **Speed** 50 bps ~ 921.6 kbps
- **Stop Bits** 1, 1.5, 2

Protection

Model Name	ESD Protection	EFT Protection	Surge Protection	Isolation Protection
PCIE-1620A	15KV (air), 8KV (contact)	1000 V		
PCIE-1622A	15KV (air), 8KV (contact)	1000 V		
PCIE-1622B	15KV (air), 8KV (contact)	1000 V	1000 V	
PCIE-1622C	15KV (air), 8KV (contact)	1000 V	1000 V	3000 V _{dc}

Software

- **Bundled Software** ICOM Tools
- **OS Support** Windows Xp, win7, win8, win8.1, win10, server 2008, server2012
Linux 2.6.x, 3.x.x
Qnx 6.3, 6.5
Vxworks 6.9

Environment

- **Operating Humidity** 5 ~ 95 % RH, non-condensing
- **Operating Temperature** 0 ~ 70°C (32 ~ 158°F)
- **Storage Temperature** -25 ~ 85°C (-13 ~ 185°F)

Ordering Information

- **PCIE-1620A** 8-port RS-232 PCI-express Comm. Card
- **PCIE-1622A** 8-port RS-232/422/485 PCI-express Comm. Card
- **PCIE-1622B** 8-port RS-232/422/485 PCI-express Comm. Card w/ Surge Protection
- **PCIE-1622C** 8-port RS-232/422/485 PCI-express Comm. Card w/ Surge & Isolation Protection

Accessories

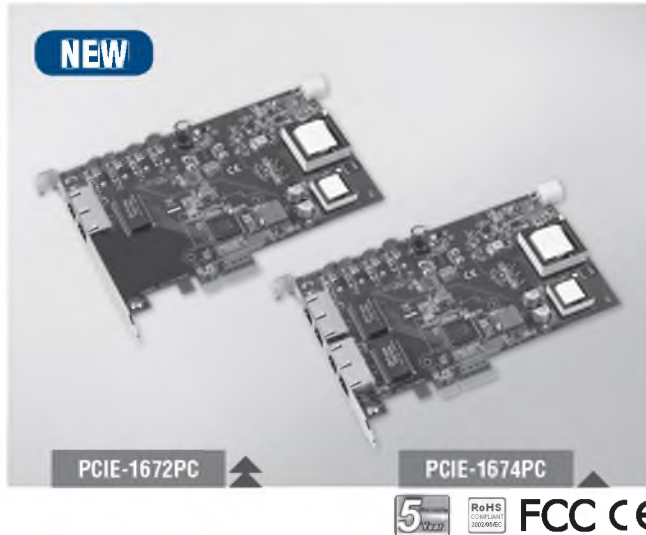
- **OPT8C** DB62 x1 to DB25 x8 Cable, 1m
- **OPT8H** DB62 x1 to DB9 x8 Cable, 1m
- **OPT8J** DB78 x1 to DB9 x8 Cable, 1m

PCIE-1672PC

PCIE-1674PC

2-port 10/100/1000 BaseT(X) 802.3af (PoE) Compliant Ethernet ports, PCI Express Communication Card

4-port 10/100/1000 BaseT(X) 802.3af (PoE) Compliant Ethernet ports, PCI Express Communication Card



Features

- Intel® server-grade GbE Mac Controller
- PCI Express® x4 compliant
- Supports 12 V_{DC} AT/ATX input power boost up to 15.4 watts at 48 V_{DC} per PoE port
- Powered Device (PD) auto detection and classification
- Supports IEEE 802.3u Auto-Negotiation
- 2.25 KV isolation protection on LAN ports and power
- Supports Jumbo frame (9,500 byte) and link aggregation
- Supports IEEE-1588 and IEEE-802.1 AS
- PC CPU off-load by onboard DSP processor

Introduction

The PCIE-1672PC/PCIE-1674PC PoE (Power over Ethernet) PCIE series is PCI express communication card which supports 2 or 4 independent 10/100/1000BaseT(X) 802.3af (PoE) compliant Ethernet ports. With 12 V_{DC} AT/ATX power input, the PCIE-1672PC/PCIE-1674PC can boost then provides up to 15.4 watts at 48 V_{DC} power to maximum 2 or 4 x PoE ports on each module. It allows power to be supplied to connected devices, such as PoE-based GigE cameras in machine vision inspection systems, without the need to use separate PoE injectors for those applications. With its 2.25 KV isolation protection, and overload current/voltage protection on LAN ports, the PCIE-1672PC/PCIE-1674PC is ideally designed for scientific research instrumentations, Medical Research Instrumentations, Gigabit Ethernet surveillance IP cameras in intelligent transportation systems, which can also benefit from a scalable Gigabit backbone construction with Power-over-Ethernet support.

Specifications

Ethernet Communications

- **Compatibility** IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3af
- **Speed** 10/100/1000 Mbps
- **No. of Ports** 2 or 4 Gigabit Ethernet Media Access Control (MAC) and physical layer (PHY) ports.
- **Port Connector** 8-pin RJ45
- **Protection** Built-in 2.25KV isolation protection on LAN ports and power, ESD 8KV, EFT 2KV
- **Bus Interface** PCI Express® x4 compliant

Power Requirements

- **Input Voltage** 12 V_{DC}, AT/ATX System power input
- **Overload Current Protection** Present
- **Connection** AT/ATX Power Jack
- **Output PoE Power**
PCIE-1672PC 48 V_{DC} PoE Power output
Supports 2 PoE ports up to 15.4 W at 48 V_{DC}
PCIE-1674PC Supports 4 PoE ports up to 15.4 W at 48 V_{DC}
- **Power Consumption**
PCIE-1672PC Typical: 15.4W, Max: 35.4W
PCIE-1674PC Typical: 15.4W, Max: 70.8W

Environment

- **Operating Temperature** 0 ~ 50°C (0 ~ 122°F)
- **Storage Temperature** -20 ~ 80°C (-4 ~ 176°F)
- **Operating Humidity** 5 ~ 95% RH

Mechanics

- **Dimensions (W x D)** 185 x 110 mm (7.3" x 3.9")

Ordering Information

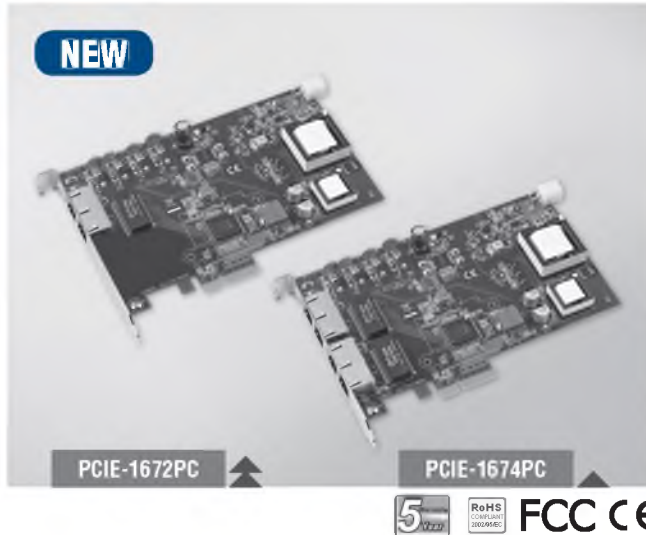
- **PCIE-1672PC** 2-port PoE ports PCI Express Comm Card
- **PCIE-1674PC** 4-port PoE ports PCI Express Comm Card

PCIE-1672PC

PCIE-1674PC

2-port 10/100/1000 BaseT(X) 802.3af (PoE) Compliant Ethernet ports, PCI Express Communication Card

4-port 10/100/1000 BaseT(X) 802.3af (PoE) Compliant Ethernet ports, PCI Express Communication Card



Features

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- PCI Express® x4 compliant
- Supports 12 V_{DC} AT/ATX input power boost up to 15.4 watts at 48 V_{DC} per PoE port
- Powered Device (PD) auto detection and classification
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Specifications

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- **Speed** 10/100/1000 Mbps
- **No. of Ports** 2 or 4 Gigabit Ethernet Media Access Control (MAC) and physical layer (PHY) ports.
- **Port Connector** 8-pin RJ45
- **Protection** Built-in 2.25KV isolation protection on LAN ports and power, ESD 8KV, EFT 2KV
- **Bus Interface** PCI Express® x4 compliant

Power Requirements

- **Input Voltage** 12 V_{DC}, AT/ATX System power input
- **Overload Current Protection** Present
- **Connection** AT/ATX Power Jack
- **Output PoE Power**
PCIE-1672PC 48 V_{DC} PoE Power output
Supports 2 PoE ports up to 15.4 W at 48 V_{DC}
PCIE-1674PC Supports 4 PoE ports up to 15.4 W at 48 V_{DC}
- **Power Consumption**
PCIE-1672PC Typical: 15.4W, Max: 35.4W
PCIE-1674PC Typical: 15.4W, Max: 70.8W

Environment

- **Operating Temperature** 0 ~ 50°C (0 ~ 122°F)
- **Storage Temperature** -20 ~ 80°C (-4 ~ 176°F)
- **Operating Humidity** 5 ~ 95% RH

Mechanics

- **Dimensions (W x D)** 185 x 110 mm (7.3" x 3.9")

Ordering Information

- **PCIE-1672PC** 2-port PoE ports PCI Express Comm Card
- **PCIE-1674PC** 4-port PoE ports PCI Express Comm Card

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