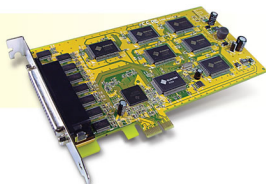


GoldenIO

4466A / 4456A / 4437A

8/4/2 ports RS-232
PCI Express Serial Board



Features



- Expands 8 / 4 / 2 RS-232 serial ports with communication speeds up to 921.6Kbps
- Designed to meet PCI Express Base Specification Revision 1.1
- Supports x1, x2, x4, x8, x16 (lane) PCI Express Bus connector keys
- High speed SUN1889/SUN1699 16C650 compatible UART controller on-board
- On-chip hardware auto flow control to guarantee no data loss
- Built-in 32 byte hardware FIFO & 128K byte DMA software FIFO
- Built-in 15KV ESD protection for all serial signals
- Certified by Microsoft WHQL, CE, FCC approval
- Support Linux, Microsoft Windows 2000, XP, and 2003
- Ready for the Intel® and AMD® 32/64-bit CPU system

Overview

SUNIX PCI Express serial communication board meets the new interface standard for expansion board. It is compatible with PCI Express x1, x2, x4, x8, and x16 lane Bus, enabling this board to be installed in any PCI Express capable PC system. Majority of today's motherboard no longer come with serial ports or

only have one port, with SUNIX PCI Express serial board, users can add or expand 8/4/2 ports of serial interface on their system, allowing them to connect their serial devices. SUNIX PCI Express Serial Board is the advanced and high efficient solution for commercial and industrial automation applications.

Specifications

Serial Communication

Interface	RS-232
Controller	SUNIX SUN1889 / SUN1699 (16C650 UART Compatible)
BUS	PCI Express one lane (x1) Bus
No. of Port	4466A: 8-port 4456A: 4-port 4437A: 2-port
Port Type	DB9 / 25 Male
IRQ & IO	Assigned by System
FIFO	32byte Hardware & 128Kbyte DMA FIFO
Signal	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
Baud rate	75bps ~ 921.6 Kbps
Data bit	5,6,7,8

Stop bit	1,1.5,2
Parity	even, odd, none, mark, space
Flow Control	None, Xon/Xoff, RTS/CTS
Protection	15 KV ESD protection for all signal

Driver Support









Microsoft	Windows 2000/XP/2003 (32/64-bit)
Linux	Linux 2.4.x / 2.6.x

Regulatory Approvals

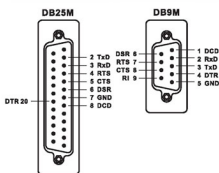
Hardware	CE, FCC
Software	WHQL

Operation Environment

Operation Temperature	0 to 60 °C
Operation Humidity	5 to 95% RH
Storage Temperature	-20°C to 85°C

Picture			
Item	4466A	4456A /AL	4437A
Port	8	4	2
BUS	PCI-E x1	PCI-E x1	PCI-E x1
Protection	15KV ESD	15KV ESD	15KV ESD
Baud Rate	75~921.6Kbps	75~921.6Kbps	75~921.6Kbps
PCB Connector	DB62F	DB44F	DB9M
Bracket Space	1	1	1
Dimensions	175 x 105 mm	151 x 52 mm	151 x 71 mm
Bracket	Std. 121 mm	Std. 121 / L.P. 79.2 mm	Std. 121 mm
DB9M Cable	 1-set 40/100cm	 1-set 40/100cm	-
DB25M Cable	 1-set 40/100cm	 1-set 40/100cm	-
DB9/25M ArrayBox	 1set 30 cm	-	-
Application	Industrial / Commercial Automation		

Pin Assignment



Order Information

4466A	8 ports RS-232 PCI Express Board
4456A	4 ports RS-232 PCI Express Board
4456AL	4 ports RS-232 PCI Express Low Profile Board
4437A	2 ports RS-232 PCI Express Board

Packing List

1. Multi-port RS-232 PCI Express Board
2. User's Manual and Software CD ROM
3. Quick Installation Guide

Optional Accessories

1. DB62 to 8 ports DB9/25 male connection cable, 40/100cm (4466A)
2. DB62 to 8 ports DB9/25 male connection ArrayBox (4466A)
3. DB44 to 4 ports DB9/25 male connection cable, 40/100cm (4456A/AL)