

AUSER4466A

8 ports RS-232 PCI Express
Serial Board



Introduction

SER4466A, PCI Express serial communication boards meet the PCI Express Base Specification Revision 1.1. It is compatible with PCI Express x1, x2, x4, x8 and x16 lane Bus. The majorities of today's motherboards is not equipped with serial ports or only have one serial port. With PCI Express serial board, users can add 8 serial ports to their system, allowing them to use serial devices further. Windows 2000 and later and Linux 2.4x kernel and later support the PCI Express bus system. PCI Express Serial Board is the advanced and high efficient solution for commercial and industrial automation applications.

Features

- Expands 8 independent RS-232 serial ports with communication speeds up to 115.2Kbps.
- High speed SUN1889 16C650 compatible UART controller on-board.
- Designed to meet PCI Express Base Specification Revision 1.1.
- Supports x1, x2, x4, x8, x16 (lane) PCI Express Bus connector keys.
- On-chip hardware auto flow control to guarantee no data loss.
- Built-in 32 byte hardware FIFO & 128K byte DMA software FIFO
- Built-in ± 2 KV ESD protection for all serial signals.
- Plug-n-Play, I/O address and IRQ assigned by BIOS.
- Certified by CE, FCC, RoHS, and Microsoft WQHL approval.
- Support Microsoft Windows, Linux, and DOS.



Specifications

Serial Communication

Interface: RS-232

Controller: SUN1889

(16C650 UART Compatible)

BUS: PCI Express one lane (x1)

No. of Port: 8 ports

IRQ & IO: Assigned by System

FIFO: 32byte Hardware

Signal: TxD, RxD, RTS, CTS, DTR, DSR, DCD,
GND

Baud rate: 50~115.2Kbps

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: ± 2 KV ESD protection for each signal
Human Body Model (HBM)

PCB Connector: DB62 Female

Cable Connector: DB9 / 25 Male

Driver Support:

Microsoft: 3.1/95/98/NT/ME/2000/XP/2003/Vista (32/64 bit)
/ CE5.0/XP Embedded

Linux: Linux 2.4.x / 2.6.x

Unix: SCO Unixware 7.1.3, SCO OpenServer 5.0.6/5.0.7/6.0

DOS: DOS

Regulatory Approvals:

Hardware: EN55022 Class B, EN55024, EN61000-3-2,
EN61000-3-3, FCC Part 15 Class B, RoHS

Software: Microsoft WHQL Window XP/Vista

Operation Environment:

Operation Temperature: 0 to 60°C (32 to 140°F)

Operation Humidity: 5 to 95% RH

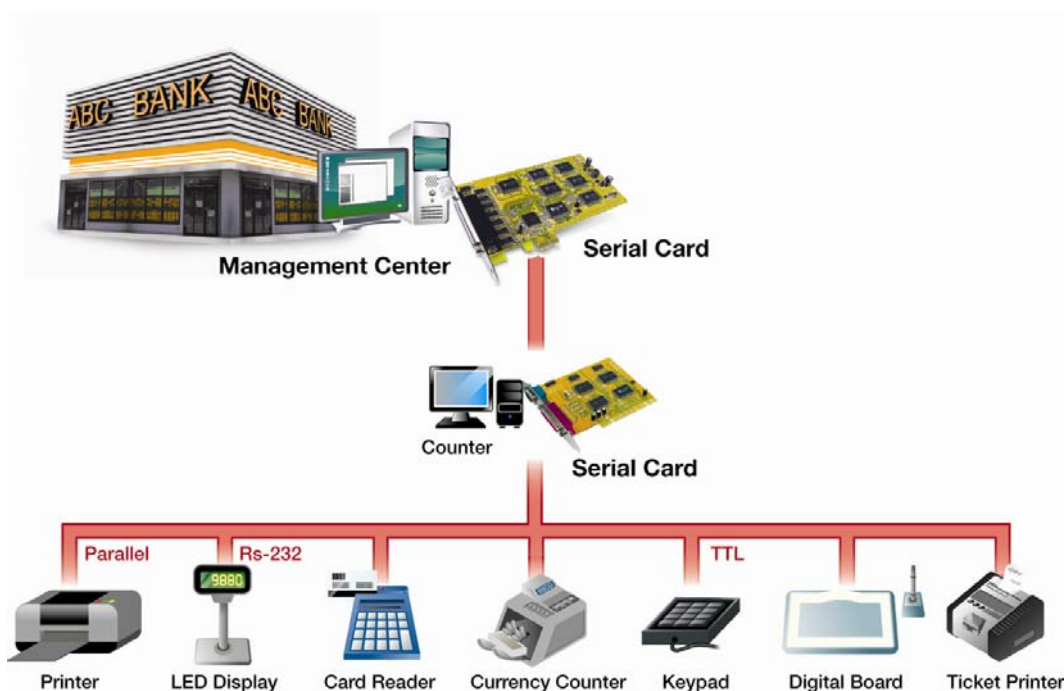
Storage Temperature : -20 to 85°C (-4 to 185°F)

Dimension(Unit = mm):

PCB Dimension: 175 x 105

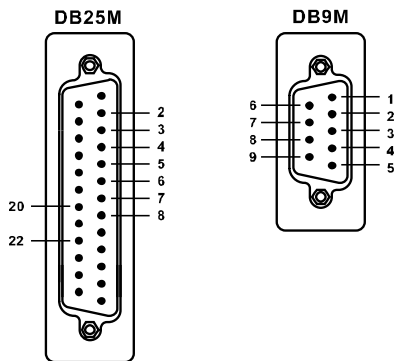
Bracket: Std. 121

Application





Pin Assignment



PIN	DB9M	DB25M
DCD	1	8
RxD	2	3
TxD	3	2
DTR	4	20
GND	5	7
DSR	6	6
RTS	7	4
CTS	8	5

Packing List

Packing Content

- SER4466A - 8 ports RS-232 PCI Express Serial Board
- Quick Installation Guide
- Software CD ROM
- Cable (DB62 to DB9/25M)



Packing

- QTY: 50 Packages/Carton
- N.W: 13.4 Kg (no cable)
- G.W: 14.7 Kg (no cable)
- MEAS: 0.072 CUFT
- Carton Size: 76.5x44x24 cm

Optional Accessories

- DB62 to 8 ports DB9 male connection cable, 40/100 cm



- DB62 to 8 ports DB25 male connection cable, 40/100 cm



Order Information

- SER4466A 8 ports RS-232 PCI Express Serial Board
- SER4456A 4 ports RS-232 PCI Express Serial Board
- SER4456AL 4 ports RS-232 PCI Express Low Profile Serial Board
- SER4437A 4 ports RS-232 PCI Express Serial Board

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