

SER4027A

1 port RS-232 Universal PCI
Serial Board



Introduction

SUNIX SER4027A, Universal PCI serial communication board, allows users to add or expand one RS-232 ports on PC-based system. The card is compatible with both 64 / 32-bit PCI architecture supporting 3.3 and 5V Bus, allowing it to be installed in virtually any PC-based systems. SUNIX SER4027A card has 32-bytes onboard FIFO buffer and compatible with 16C650 UART specification. SUNIX GoldenIO card series is designed with SUNIX UART controller, SUN1889 and as well built with many of SUNIX advanced features and technologies, making it the best solution for commercial and industrial automation applications.

Features

- Expands 1 independent RS-232 serial ports with communication speeds up to 115.2Kbps.
- High speed SUN1889 16C650 compatible UART controller on-board.
- Compliance with PCI 33MHz Ver 2.2 & 2.1 specification.
- Supports both 64-bit & 32-bit PCI bus slot and 3.3V & 5V power.
- On-chip hardware auto flow control to guarantee no data loss.
- 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: SUNIX SUN1889
(16C650 UART Compatible)

BUS: Universal PCI 64/32bit 3.3V/5V,
PCI Ver 2.2/2.1

No. of Port: 1 port

IRQ & IO: Assigned by System

FIFO: 32byte Hardware

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

Baud rate: 50~115.2Kbps

Stop bit: 1, 1.5, 2

Parity: even, odd, none, mark, space

Flow Control: None, Xon/Xoff, RTS/CTS

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

PCB Connector: DB9 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 5.06/5.0.7/6.0

OS2: IBM OS2 WARP 3/4

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

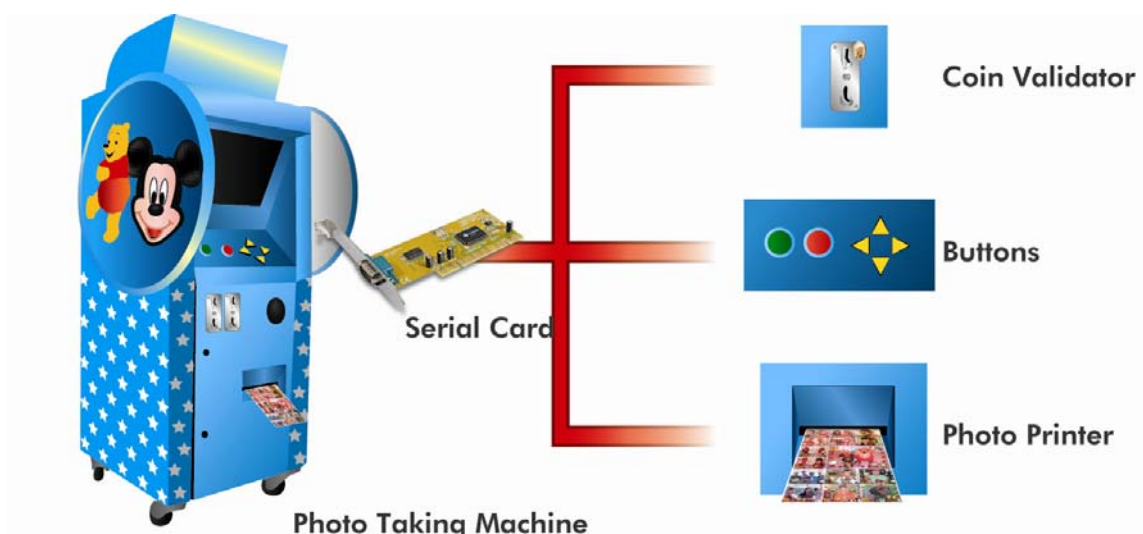
Storage Temperature: -20 to 85°C (-4 to 185°F)

Dimension(Unit = mm):

PCB Dimension: 120 x 52

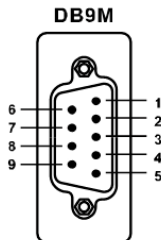
Bracket: Std. 121

Application





Pin Assignment



| PIN | DB9M |
|-----|------|
| DCD | 1 |
| RxD | 2 |
| TxD | 3 |
| DTR | 4 |
| GND | 5 |
| DSR | 6 |
| RTS | 7 |
| CTS | 8 |
| RI | 9 |

Packing List

Packing Content

- SER4027A - 1 port RS-232 PCI Express Serial Board
- Quick Installation Guide
- Software CD ROM



Packing

- QTY: 50 Packages/Carton
- N.W: 10.5 Kg (no cable)
- G.W: 11.9 Kg (no cable)
- MEAS: 0.081 CUFT
- Carton Size: 76.5x44x24 cm

Order Information

- 4027A 1 port RS-232 Universal PCI Serial Standard Board
- 4027AL 1 port RS-232 Universal PCI Serial Low Profile Board
- 4027D 1 port RS-232 Universal PCI Serial ReMap Board
- 4027DL 1 port RS-232 Universal PCI Serial ReMap & Low Profile Board