



PAR5418A

2-port IEEE1284 Parallel
PCI Express Board



Introduction

SUNIX PAR5418A PCI Express interface IEEE1284 Parallel communication boards meet the PCI Express Base Specification Revision 1.1 specification. SUNIX PAR5418A is compatible with PCI Express x1, x2, x4, x8 and x16 lane and PCI/PCI-x Bus, allowing it to be installed in any PC-based system. With SUNIX PAR5418A IEEE1284 Parallel board, users can expand two parallel ports to their system, allowing them to use parallel devices further. It is ideal for printers, IC programmers, ZIP Drives, or any Parallel devices*. SUNIX PAR5418A built-in SUNIX high performance and realizable single controller, and as well built with many of SUNIX advanced features and technologies, making it the advanced and high efficient solution for commercial and industrial automation application.

Features

- High reliability SUNIX UL7502AQ Parallel controller on-board.
- Expands two IEEE1284 Parallel ports on system.
- Designed to meet PCI Express Base Specification Revision 1.1.
- Full single-lane (or x1) PCI Express throughput.
- Support IEEE 1284-1994 parallel port standard
 - * ECP (Enhance Capacity Port) / EPP (Enhance Parallel Port)
 - * SPP (Standard Parallel Port) / BPP (Bi-direction Parallel Port).
- Auto-switching between ECP/EPP/SPP/BPP modes without configuration.
- Plug-n-Play, I/O address and IRQ assigned by system.
- Certified by CE, FCC, RoHS, and Microsoft WHQL approval.
- Support Microsoft Windows, Linux, and DOS.

Specifications

General

Interface	IEEE1284
Controller	SUNIX UL7502AQ
BUS	PCI Express Spec 1.1, Single-Lane (x1)
IRQ & IO	Assigned by System

Parallel Communication

Interface	IEEE1284
No. of Port	2-port
FIFO	16byte Hardware
Mode	SPP/ECP/EPP/BPP
Speed	Maximum 1.8MBps
PCB Connector	DB25 Female & 13 x 2 Pin Header

Driver Support

Microsoft Client	XP / Vista / 7 (X86/X64)
Microsoft Server	2000 / 2003 / 2008 (X86/X64) / 2008R2 (X64)
Microsoft Embedded	XP Embedded/POS Ready 2009/ Embedded System 2009
Linux	Linux 2.4.x / 2.6.x / 3.x
DOS	DOS

Regulatory Approvals

Hardware	CE EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, VCCI Class B FCC Part 15 Class B, BSMI: CNS13438, C-Tick: CISPR22 AS/NZS, RoHS
Software	Microsoft WHQL Windows Microsoft Client: XP / Vista / 7 / 8 (X86/X64) Microsoft Server: 2000 / 2003 / 2008 (X86/X64)

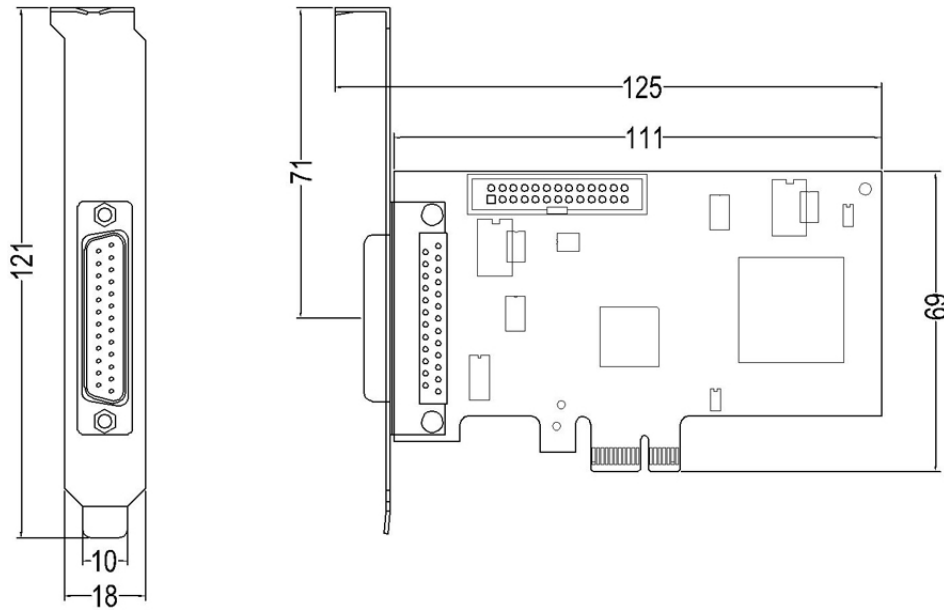
Environment

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

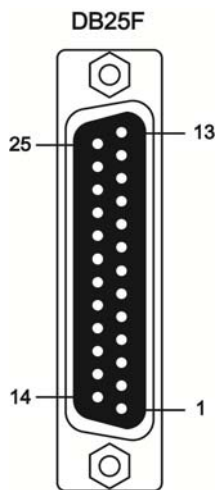
PCB Dimension	114 x 69 mm
Bracket	Standard 121 mm
Bracket Space	2

Mechanical Drawings (Unit = mm)



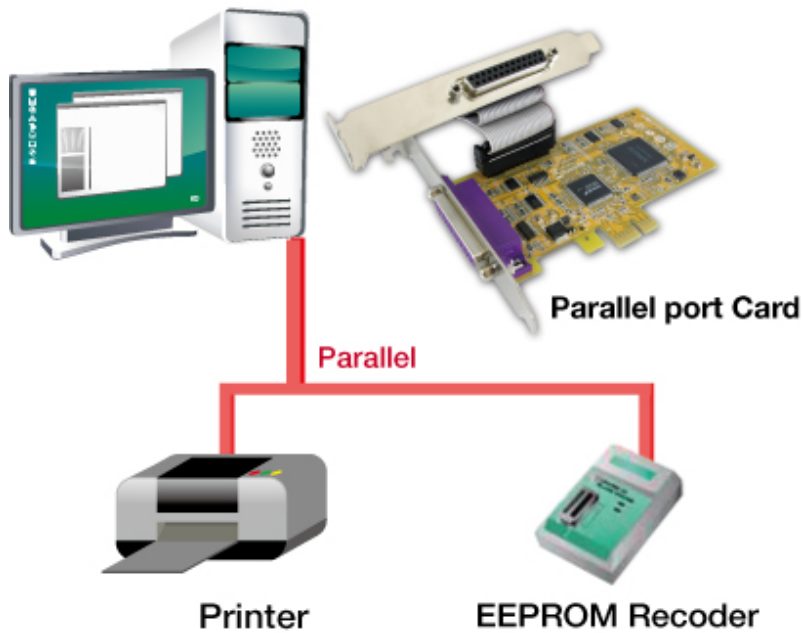
Pin Assignment

Parallel



DB25F	PIN	DB25F	PIN
1	STROBE	14	AUTO FEED
2	DATA0	15	ERROR
3	DATA1	16	INT
4	DATA2	17	SELECT INPUT
5	DATA3	18	GND
6	DATA4	19	GND
7	DATA5	20	GND
8	DATA6	21	GND
9	DATA7	22	GND
10	ACKNOWLEDGE	23	GND
11	BUSY	24	GND
12	PAPER EMPTY	25	GND
13	SELECT		

Application



Package

- PAR5418A- 2-port IEEE1284 Parallel PCI Express Board.
- Quick Installation Guide.
- Software CD Driver
- 13x2 Pin Header to DB25F Flat Cable With Bracket
Part No.: 1WDB-25F04026G1001



Optional Accessories

- PCIe Add-on card Holder
Part No.: 13BF-PCIEFIX010000



Note:

* ECP / EPP / SPP / BPP modes work under Windows, and Linux driver only supports SPP mode.

Order Information

Bus	Port	Board Connector	Bracket	Model NO.
PCI Express	2	DB25 Female & 13 x 2 Pin Header	Standard	PAR5418A
		DB25 Female & 13 x 2 Pin Header	Low Profile	PAR5418AL
	1	DB25 Female	Standard	PAR6408A
			Low Profile	PAR6408AL
PCI	2	DB25 Female & 13 x 2 Pin Header	Standard	PAR5018A
		DB25 Female & 13 x 2 Pin Header	Low Profile	PAR5018AL
	1	DB25 Female	Standard	PAR5008A
			Low Profile	PAR5008AL
Express Card	1	DB25 Female	34mm	ECP1000