1uPCI-1000

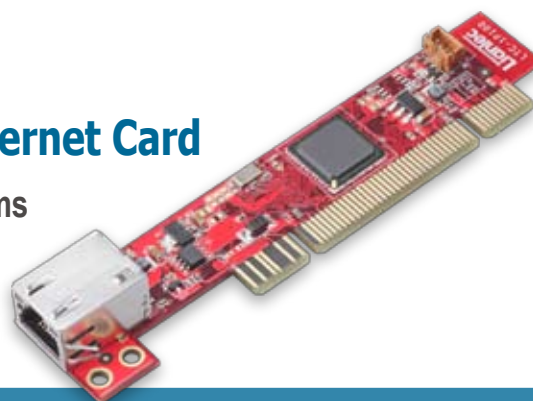## Ultra Low Profile 1U Slim PCI Gbit Ethernet Card

- **Ultra Low Profile with 27 mm Height for 1U Systems**
- **Intel PCI 82541PI Gigabit Ethernet Controller**
- **Support Wake-On-LAN without Cable**

Overview

Liantec 1uPCI-1000 is an industrial Ultra Low Profile PCI-based Gigabit Ethernet add-on card that meets slim 1U or 1.75 inches of system height without additional riser card.

- Ultra Low Profile / Slim 1U PCI add-on card form factor. Meets 1U (1.75 inches) height of slim Systems.
- Onboard Intel 82541PI Gbit Ethernet controller.
- Support 10/100/1000BASE-TX auto-switching, IEEE802.3U compliant.
- External RJ45 connector with Link and 100/1000 mode LED.

- Support Wake-On-LAN (WoL) function. Not need additional WoL cable on motherboards with PCI version 2.2 or above platform.
- Meet 1U (1.75 inches) height of slim systems. Install directly without additional riser card.
- Supports as many cards as PCI slots on motherboard in 1U system.
- Suitable for compact 2U height systems with better air flow for thermal solution.
- Compact size at 27 x 130 mm (H x L)

Specification

Form Factor
- Ultra low profile 1U PCI-bus add-on card.

Bus Interface
- PCI golden finger supports 32-bit / 33MHz PCI bus interface
- PCI 2.3 compliant

Ethernet Controller
- Onboard PCI Intel 82541PI Gigabit Ethernet controller
- Optional RTL8110S for OEM projects.

Ethernet Mode
- 10/100/1000BASE-TX auto-switching
- IEEE802.3U compliant.

Wake-On-LAN (WoL)
- Supports Wake-On-LAN (WoL) function.
- Cable-free WoL supports by motherboards with ATX function and PCI 2.2 (and above) slots

External I/O Port
- RJ45 Gigabit Ethernet port with Link / Mode LED

Environment
- Power Requirement: +3.3V, +3.3Vsb.
- Board Dimension: 27 x 130 mm (H x L)
- Operation Temperature: 0 ~ 60°C (32 ~ 140°F)
- Storage Temperature: -40 ~ 85°C (-40 ~ 185°F)
- Operating Humidity: 10 ~ 90% relative humidity, non-condensing.

Barebone Solution

LPC-R1C
Industrial 1U 19" Rackmount Mini-ITX Solution
- 1U 19" Rackmount Mini-ITX Chassis with 430 x 44 x 210 mm (W x H x D) of Dimension
- Internal One 3.5" or Two 2.5" HDD/SSD Drive Bay
- Internal 250W AC/DC ATX Power Supply
- One 4020 System Fan on Back Panel
- Operating-Removable Air Filter on Front Panel
- Front Dual USB Ports
- Support Ultra Low Profile 1U Slim PCI / PCIe Card
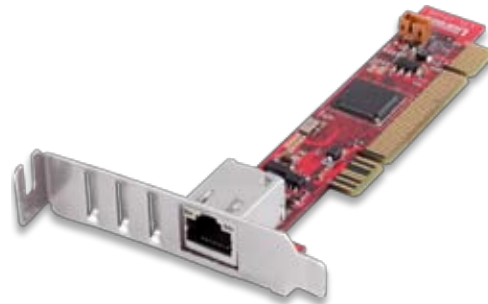- Removable Back Panel for Customized Motherboard

External 1U/2U Bracket

Liantec 1uPCI-1000 offers two kind of brackets for Systems Integrators.

• **Ultra Low Profile 1U Bracket** for 1U slim systems without additional riser card.

• **Low Profile Bracket 2U Bracket** for 2U systems with external air holes, offers better air flow for thernal solution, suitable for compact and high performance computing Systems.

1U Ultra Low Profile Bracket

2U Low Profile Bracket with Air Holes

Application Sample

Liantec 1uPCI-1000 Ultra Low Profile 1U Slim PCI Gbit Ethernet Card on Mini-ITX Platform, offers One More Gbit Ethernet Port for 1U Slim Mini-ITX Computing Platform.

Ordering Code

1uPCI-1000N   Industrial Ultra Low Profile 1U Slim PCI Intel Gbit Ethernet Card
with Onboard Intel 82541PI Gbit Ethernet Controller

39BRK-1uRJ45   Ultra Low Profile 1U Slim Bracket with One RJ45 Port

39BRK-2uRJ45   Low Profile 2U Bracket with One RJ45 Port and Air Holes

For the further product information and updates about Liantec 1uPCI-1000 Industrial Ultra Low Profile 1U Slim PCI Intel Gbit Ethernet Card, please visit the website as below.

> Product information : http://www.liantec.com/product/1uPCI-1000.htm

> Technical information : http://support.liantec.com/product/1uPCI-1000.htm

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