

# Multi-Function PCI-Express I/O Card Datasheet

## Introduction:

The F9-IO1 is a PCIe form-factor solution supporting dual 10/100/1000 Ethernet ports, dual USB 2.0 ports, and analog audio. The F9-IO1 is designed for operation in a x4 compatible PCIe slot supporting a full-height PCIe card. The F9-IO1 combines PCIe and USB technologies to deliver multiple divergent I/O connections in a single PCIe slot.



## Key Features:

1. Dual 10/100/1000 Ethernet Ports
2. PXE Boot Enabled
3. Dual USB 2.0
4. Audio Line-in, Line-out
5. Internal Speaker Jack

## Ethernet

- Intel 82571EB Dual-Port 10/100/1000BASE-T PCIe Ethernet MAC/PHY.
- Supported by existing Solaris 10 certified software drivers.
- Two RJ-45 ports on I/O bezel.

## USB

- NEC PD720114 USB 2.0 Hub.
- Internal USB type B Upstream connector for use with motherboard USB header.
- Two USB type A Downstream ports on I/O bezel.
- 5V port power supplies

## Audio

- TI PCM2901E USB1.1 Audio Codec, compliant to USB Audio Class specification.
- Accessible via USB Hub.
- Line-In Audio on I/O bezel - 1/8" Stereo jack.
- Line-Out Audio on I/O bezel - 1/8" Stereo jack - 1V(rms) into 10kohms at full-scale codec level.
- Internal Speaker - 1/8" jack (balanced mono), 1W(rms) into 8ohms, automatically muted when Line-Out is active.

## Regulations

*Tested and Certified with the Five9NS X2000 for:*

EM Interference	FCC 47CFR Part 15 Subpart B Class A, ICES-003 Issue 4, Class A
Safety	UL 60950-1, 1 <sup>st</sup> Edition, CSA C22.2 No. 60950-1-03, 1 <sup>st</sup> Edition
ESD	EN 300386 v1.4.1, EN61000-4-2

## Environmental

- Operating Temperature Range - 0 to 42 °C, Humidity - 0 to 85% (non-condensing).

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## Block Diagram

