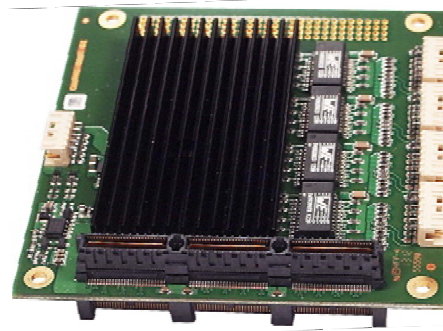




ADLLAN-41000e - Quad-Port Gigabit Ethernet LAN

Features

- Intel I350-AM4 Quad Port Gigabit Ethernet LAN Controller
- Type 1 PCI/104-Express Form Factor with PCI Pass-thru
- PCIe V2.0 (5GT/s with 2.5GT/s Support) - Consumes Only 1 PCIe Lane (x1)
- Supports ACPI / APM Wakeup
- PXE Pre-boot Support
- Jumbo Framing up to 9.5KB
- Two Additional USB 2.0 Ports from Host SBC
- Integrated I/O Virtualization
- Up to 4 Boards in a Stack Totaling 16 Ports at Gigabit Speed
- Can be Ruggedized for Harsh Environment
- Temperature Range -40C to +85C with Standard Heat Sink
- Size = 90mm x 96mm
- Windows 7, XP, and Linux Compliant



ADLLAN-41000e Shown with Standard Heat Sink

Ordering Information

Item Code	Part #	Description
ADLLAN-41000e	299923	4-Port PCI/104-Express 10/100/1000 LAN with Heat Sink*
PC104+-CONN	807006	PC/104+ Stack-Through Connector Option

*Includes: 4-CAT6E Ethernet LAN cables and drivers.

Specifications

Ethernet Controller	Intel NHI350AM4
Number of Ports	4
Port Speed	10/100/1000 Mbit
Form Factor	PCI/104-Express (Type 1)
Bus Interface	PCIe V2.0 (5GT/s)
Remote Boot	PXE
USB	2 ports, USB 2.0**
Extended Temp	Available
Jumbo Framing	Up to 9.5KB

Description

The ADLLAN-41000e employs the Intel i350-AM4 quad port Gigabit Ethernet controller to bring server class connectivity to PCI/104-Express. With the PCIe V2.0 interface, four Gigabit LAN ports can operate at Gigabit speed while consuming just one PCI Express lane (x1). An additional three ADLLAN-41000e boards may be used in a stack for a total of 16 available Ethernet ports, loading 4 PCIe x1 lanes. This brings true server capability to the PC/104 form factor. As expected, the ADLLAN-41000e is also backward compatible with PCIe V1.0 signaling platforms, albeit at less than 1 Gigabit per port.

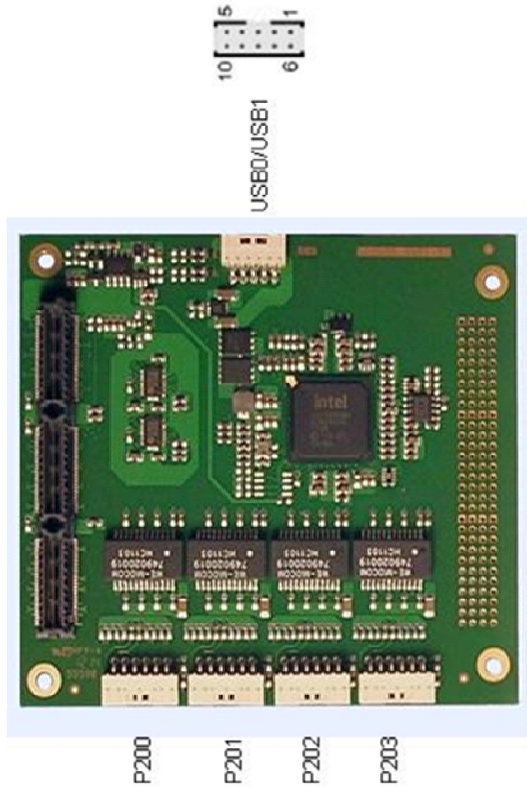
The ADLLAN-41000e also provides a **maximum of two additional USB 2.0 ports via the Type 1 PCIe bus interface from the host SBC. Since the USB ports are not implemented using an independent USB controller, only two ports will be available in configurations that use more than one ADLLAN-41000e.

Applications: Mobile Server / Remote Networking, Rugged, Extended Temp., Embedded, Ethernet Surveillance, Industrial Monitoring, Network Routing.

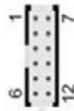
Data subject to change without notice.



ADLLAN-41000e - Connector Pinouts



P200
P201
P202
P203



LAN Interface Pinout P200 –P203

Description	Name	Pin	Name	Description
LAN activity	LINKACT	1	7	SPEED1000
LAN channel 1 plus	LAN1	2	8	LAN0
LAN channel 1 minus	LAN1#	3	9	LAN0#
LAN channel 3 plus	LAN3	4	10	LAN2
LAN channel 3 minus	LAN3#	5	11	LAN2#
LAN speed 100Mbit	SPEED100	6	12	3.3V

P200-203 Mating Connector:

- Housing: FCI 10073599-012LF
- Contacts = FCI 10044403-1011F (24-22 AWG)

USB0/USB1 Interface Pinout

Description	Name	Pin	Name	Description
5 Volt for USB 0	USB0_VCC	1	6	USB1_VCC
Data "Min" for ci, USB 0	USB0-	2	7	USB1-
Data "Plu" for ci, USB 0	USB0+	3	8	USB1+
Ground	GND	4	9	GND
Not Connected	NC	5	10	NC

USB0/USB1 Mating Connector:

- Housing: FCI 10073599-010LF
- Power Contacts = FCI 10044403-1011F (24-22 AWG)
- DATA Contacts = FCI 77138-1011F (30-26 AWG)

Data subject to change without notice.