IBD192 Series
Dual Gigabit LAN CARD
Mini PCI Express Card V1.2

User guide 1.0





Features:

- **Form factor: Mini PCI-E interface.**
- **Compliant with IEEE 802.3 Ethernet interface for 1000 Base-T, 100 Base-TX and 10 Base-T applications (802.3, 802.3u, 802.3ud).**

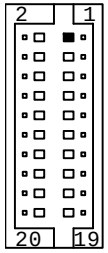
IBD192: Mini PCI-E LAN card with Intel I210-AT/I211-AT Ethernet controller, dual port; used with IBLD170D RJ45 card.

IBLD170D: Card with transformer + RJ45 for LAN ports (includes 2PCS EXT-484 cables).

IBD192 Connectors pin definition

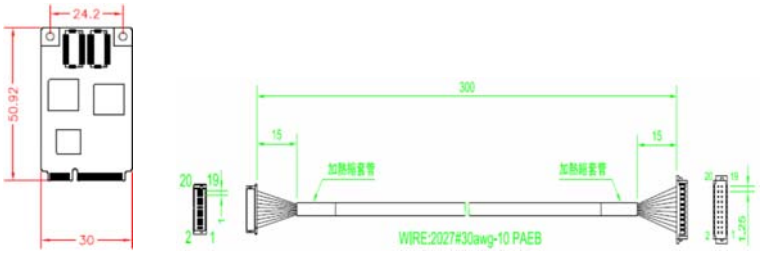
CN1, CN2: LAN Connector

2X10_1.0mm_Straight_Male_Wafer (HIROSE DF20G-20DP-1V(56),
Mating connector: HIROSE DF20A-20DS-1C



Signal Name	Pin #	Pin #	Signal Name
MDI_0N	2	1	MDI_0P
Ground	4	3	Ground
MDI_1N	6	5	MDI_1P
CT	8	7	Ground
MDI_2N	10	9	MDI_2P
MDI_3N	12	11	MDI_3P
Ground	14	13	Ground
LED_LINK1000	16	15	LED_LINK100
LED_ACTIVITY	18	17	LED_LINK_UP
NC	20	19	NC

IBD192 series and EXT-484 Mechanical Drawing



IBD192 x1 and EXT-484 x2

Mini PCI-E LAN Card Driver Installation

Follow these steps to install the Intel I210/I211 LAN/Ethernet driver for Windows 7/ 8 / 8.1:

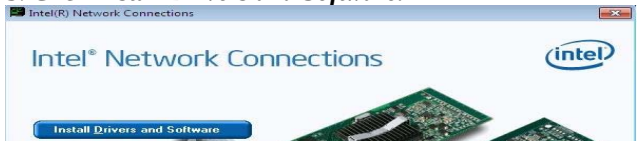
1. Insert the DVD that comes with the motherboard. Click ***LAN Card*** and then ***Intel LAN Controler Drivers***.



2. Click ***Inte(R) I21x Gigabit Network Drivers***.



3. Click ***Install Drivers and Software.***



4. When the Welcome screen appears, click ***Next***.
5. Click ***Next*** to to agree with the license agreement.
6. Click the checkbox for **Drivers** in the Setup Options screen to select it and click **Next** to continue.
7. The wizard is ready to begin installation. Click ***Install*** to begin the installation.
8. When Install Shield Wizard is complete, click ***Finish***.