

## TECHNICAL SPECIFICATIONS

FEATURES	FUNCTIONS
Form Factor	PCI-Express Mini Card (mPCle) Type F1 (full sized)
PCI-Express Interface	1x PCI-Express v2.1 (2.5GT/s)
Power	Powered from PCIE/104 Bus +3.3V.
Dimensions / Weight	95 mm x 96 mm / 48.5 grams (empty)
Operating Temperature	-40C to 85C
Shock and Vibration	Designed for MIL-STD 810H
Operating System	Compatible with Linux and Windows operating systems.
Storage Temperature	-40C to 85C

CONNECTOR PIN ASSIGNMENTS			
FUNCTION	PIN	PIN	FUNCTION
Link/Activity LED	1	7	SPEED1000
LAN1+	2	8	LAN0+
LAN1-	3	9	LAN0-
LAN3+	4	10	LAN2+
LAN3-	5	11	LAN2-
SPEED100	6	12	3.3V

## OVERVIEW

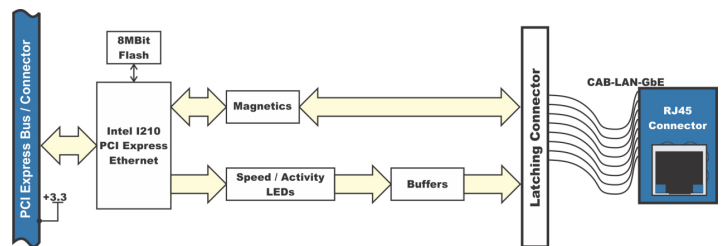
- Based on Intel® i210-IT 10/100/1000 Base-T Ethernet Controller.
- Rugged design with latching connector, overvoltage protection, and signal buffering.
- Magnetic transformer isolation.
- Industrial operating temperature (-40 TO +85°C).
- Optional low-ppm crystal to support IEEE-1488 precision timing protocol (PTP).

## DESCRIPTION

The ADLLAN-MPCle is a type F1 PCI Express Mini Card (mPCle) optimized for use in mobile and rugged environments, with a latching connector and protection on all signals. The onboard magnetics feature robust built in isolation via transformer coupling. In addition, extended operating temperature and RoHS compliance are standard.

The card's high-speed PCI Express 2.1 controller and Intel's industry-leading I210 Ethernet chip provide a 1000Base-T Ethernet port with low power-consumption, small form-factor and light weight. Onboard LEDs provide diagnostic and status information about power, link/activity, and data rate.

The ADLLAN-MPCle provides Full 10/100/1000 BASE-T compatibility with IEEE 1488 PTP (Precision Timing Protocol) support (when ordered with a low-PPM XTAL (optional)). This makes the ADLLAN-MPCle perfect for use in any embedded Ethernet environment.



PART NUMBER	DESCRIPTION
299862	Intel i210 10/100/1000 Base-T Ethernet mPCle module
299862-PT	Intel i210 10/100/1000 Base-T Ethernet mPCle module; IEEE-1488 PTP Compliant.
100-9720	10" RJ45 Mating Cable (KEY645L-90BLU)