

LEC-7242

Industrial Environment Gateway IPC with
Intel® Apollo Lake CPU



This is a reference image. Please contact Lanner for more information.

■ Features

- Intel® Apollo Lake CPU
- 2x GbE RJ45, 1x RS232/422/485 COM Port
- 2x USB 3.0, 1x Display Port, 1x HDMI
- 1x M.2 3042 B+M Key Socket w/ Dual SIM
- 1x Mini-PCIe Socket w/ Dual SIM
- Onboard LPDDR4, Up to 8GB & Onboard 64GB eMMC
- TPM Support

■ Preliminary Specifications

Processor System

CPU	Intel® Apollo Lake: Celeron® N3350 / Atom® X5-E3940
Frequency	2.4GHz / 1.8GHz
Core Number	2 / 4
BIOS	AMI SPI Flash BIOS, 16Mbit
Fanless	

Yes

Memory

Technology	Onboard Non-ECC LPDDR4 2400
Max. Capacity	8 GB (Default 4 GB)
Socket	-

Graphic

Controller	Intel® HD Graphics 500
Display	1x HDMI, 1x Display Port

Ethernet

Controller	Intel® i210-AT / Intel® i210-IT
Speed	10/100/1000 Mbps
Interface	2x RJ45

Storage

Type	eMMC & SATA (Design Reserved)
Installation	Onboard 64GB eMMC 1x SATA (Design Reserved)

I/O

Serial Port	1x RS-232/422/485, DB9 Male
Digital I/O	-
USB 2.0	-
USB 3.0	2x Type A
Power-On/Reset Button	1x Power On/Off, 1x Reset
LED	Yes
Antenna Hole	4x SMA Antenna Holes

Expansion Interface

M.2	1x M.2 3042 B+M Key Socket w/ Dual SIM for LTE or Wifi
Mini-PCIe	1x Mini PCIe Socket w/ Dual SIM for LTE

Watchdog Timer

Watchdog Timer 1~255 Level Time Interval System Reset,
Software Programmable

Power

Power Type	ATX
Power Supply Voltage	+12Vdc
Connector	DC Jack with Lock
Power Consumption (Idle)	6.3W
Power Consumption (Full Load)	9.5W

Environment

Operating Temperature	0°C~50°C / -20°C~70°C
Storage Temperature	-30°C~70°C
Relative Humidity	5%~95% (Non-condensing)
Vibration	-

Mechanical

Dimension (W x H x D)	168 x 40 x 145 mm
Construction	Aluminum Extrusion with SGCC
Weight	TBD
Mounting	Wallmount

Driver Support

Microsoft Windows	WES7E, Win7 Pro FES, WE 8.1 Industry Pro, Win 10 IoT
Linux	Kernal 3.12

Certification

EMC	CE/FCC Class A, UL
Safety	-

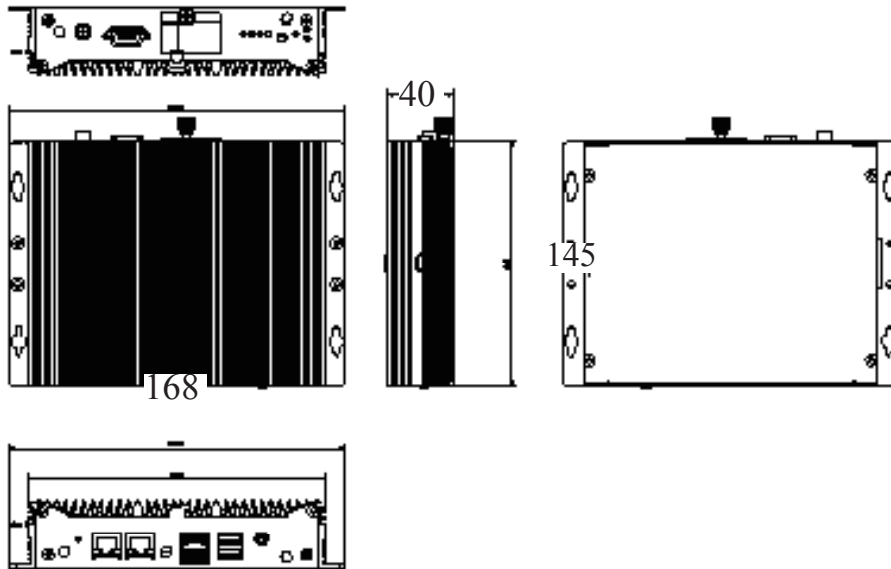
Product I/O View

Reference images. Please contact Lanner for more information.



- | | | |
|------------------------------|--------------------------|----------------|
| A LAN x 2 | D On / Off Switch | G COM |
| B Display Port & HDMI | E LED | H DC-in |
| C USB 3.0 | F LTE SIM Access | |

Dimensions (W x H x D) 168 x 40 x 145 mm (6.6" x 1.6" x 5.7")



Ordering Information

LEC-7242A	Commercial Grade (OP Temp 0~50), Intel Celeron N3350, 4GB LPDDR4 Memory, Intel i210AT Ethernet, Mini-PCIe for LTE & M.2 for LTE, w/ AC/DC Adapter
LEC-7242B	Commercial Grade (OP Temp 0~50), Intel Celeron N3350, 4GB LPDDR4 Memory, Intel i210AT Ethernet, Mini-PCIe for LTE & M.2 for WiFi, w/ AC/DC Adapter
LEC-7242C	Industrial Grade (OP Temp -20~70), Intel Atom X5-E3940, 4GB LPDDR4 Memory, Intel i210IT Ethernet, Mini-PCIe for LTE & M.2 for LTE, w/ AC/DC Adapter
LEC-7242D	Industrial Grade (OP Temp -20~70), Intel Atom X5-E3940, 4GB LPDDR4 Memory, Intel i210IT Ethernet, Mini-PCIe for LTE & M.2 for WiFi, w/ AC/DC Adapter

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