

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)	TBD
Power Consumption (Full Load)	TBD

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
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Linux	Kernal 3.12
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Certification

EMC	CE/FCC Class A, UL
Safety	-

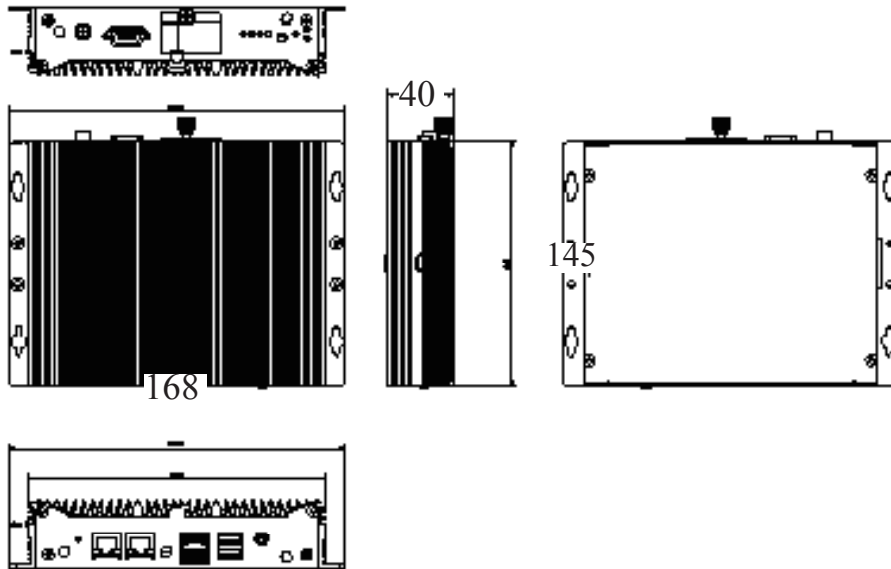
Product I/O View

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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