

LEC-7242

Industrial IoT Gateway with Intel® Apollo Lake CPU



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

■ Features

- Intel® Apollo Lake CPU
- Onboard LPDDR4 Up to 8GB, 64GB eMMC
- 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
- TPM 2.0 Support
- Preloaded with Linux Debian 10

■ Specifications

Processor System

CPU	Intel Celeron N3350/Atom X5-E3940 (Apollo Lake)
Frequency	2.4 GHz/1.8 GHz
Core Number	2C/4C
Chipset	SOC
BIOS	AMI SPI Flash BIOS, 16Mbit

Fanless

Yes

Memory

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

Graphic

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

Ethernet

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

Storage

Type	Onboard eMMC: 64 GB, 1x SATA (Design Reserved)
------	--

I/O

Serial Port	1x RS-232/422/485, DB9 Male
USB 3.0	2x Type A
Power-On/Reset Button	1x Power On/Off, 1x Reset
LED	Power On Status/Alarm/GPS Status/ LTE Signal Level Status
Antenna Hole	4x SMA Antenna Holes

Expansion Interface

Mini-PCIe	1x Mini PCIe Socket w/ Dual SIM For LTE
M.2	1x M.2 3042 B+M Key Socket w/ Dual SIM For LTE Or WiFi

Watchdog Timer

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

Power

Power Type	ATX
System Requirement	+12VDC
Input connector	DC Jack With Lock
Adapter	Rated Input Range: 100~240Vac, 60W Output Rated Voltage: +12Vdc
Power Consumption (Idle)	6.3W
Power Consumption (Full)	11.8W

Environment

Operating Temperature	0C~50C (SKU A/B) -20C~70C (SKU C/D)
Storage Temperature	-30C~70C
Relative Humidity	5%~95% (Non-condensing)
Vibration	IEC 60068-2-64

Mechanical

Dimension (W x H x D)	168 x 40 x 145 mm
Construction	Aluminum Extrusion with SGCC
Weight	1 KG
Mounting	Wallmount

Validated OS

Microsoft Windows	Win 10 IoT 2019
Linux	Linux Debian 10 (Linux kernel v4.1)

MTBF (Hours)

Time	95,480
------	--------

Warranty

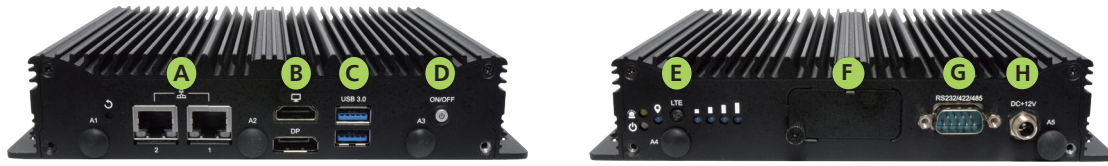
Warranty Period	2 Years (See Lannerinc.com For Details)
-----------------	--

Certification

Safety	UL
EMC	CE/FCC Class A
Green Products	RoHS
Others	PTCRB (For EG25GGB-MINIPCIE-S)

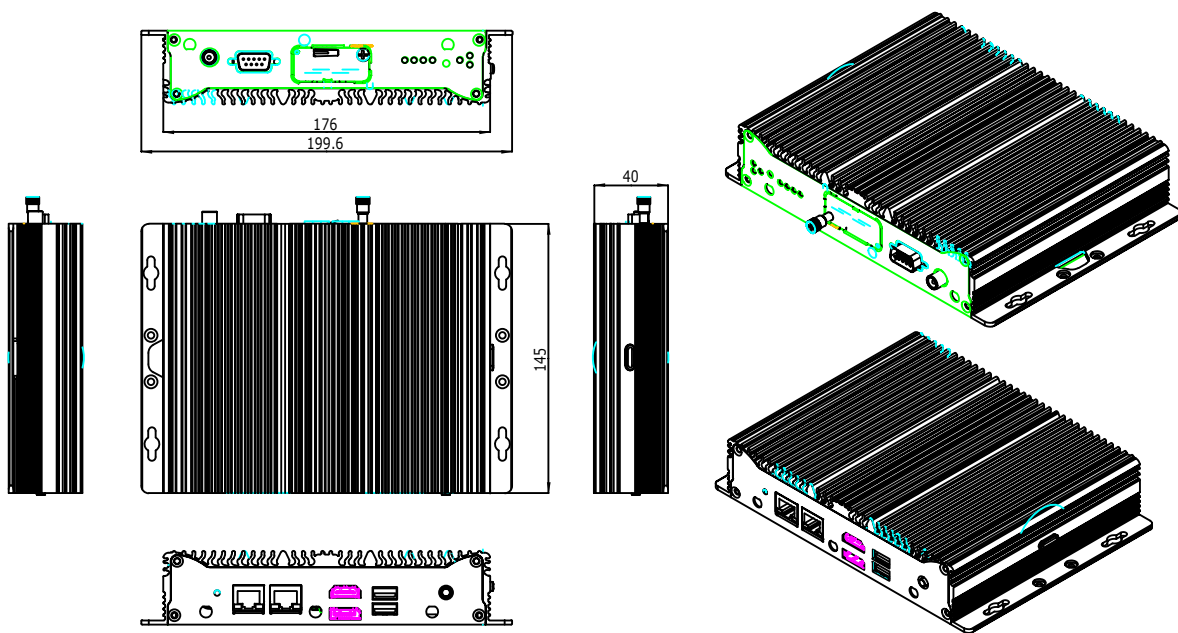
Product I/O View

Reference images. Please contact Lanner for more information.



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

Dimensions (W x H x D) 176 x 40 x 145 mm (6.9" x 1.6" x 5.7")



LEC-7242

Ordering Information

SKU	CPU	RAM	Storage	Ethernet	Serial	Display	USB	Mini PCIe	M.2	Operating Temp.
LEC-7242A	Intel Celeron N3350	4GB	64GB EMMC	2	1	HDMI, DP	2	LTE	LTE	0C~50C
LEC-7242B	Intel Celeron N3350	4GB	64GB EMMC	2	1	HDMI, DP	2	LTE	WiFi	0C~50C
LEC-7242C	Atom X5-E3940	4GB	64GB EMMC	2	1	HDMI, DP	2	LTE	LTE	-20C~70C
LEC-7242D	Atom X5-E3940	4GB	64GB EMMC	2	1	HDMI, DP	2	LTE	WiFi	-20C~70C

Optional Accessories

Model	Description
080W000277010	Power Cord (UK)
080W000133010	Power Cord (EU)
080W000242000	Power Cord (US)
PSF8190-001	EG25GGB-MINIPCI-E-S FRU KIT
PSF8191-001	WNFQ-262ACNI FRU KIT

Package Contents

- 1x LEC-7242 Intelligent Edge Appliance
- 1x 60W Power Adapter

V.1-2021.07.29

Lanner

© Lanner Electronics Inc. All rights reserved.
 All product specifications are subject to change without notice.
contact@lannerinc.com | www.lannerinc.com