

LBS-512-CFL

Fanless Box System, 9th/8th Gen. LGA1151, max
35W, 4xUSB3, 2xLAN, 2xCOM, 3xDP, dual HDD
tray, DC19~28V Input



Features

- ▶ Operating Temp -20~60 °C
- ▶ VESA 75 x 75 / 100 x 100
- ▶ DC 19~28V Power Input
- ▶ Dual HDD Tray
- ▶ Optional Wide Operating Temp -20~70 °C

System

Processor	Intel® 9th/ 8th Gen (Coffee Lake-S) Core™ Processors, up to 35W
Chipset	Q370 PCH
Memory	Dual Channel DDR4 2666, up to 64GB Core i3/Pentium/Celeron CPUs support up to 32GB

I/O Interface

Serial	2 COM RS-232/422/485
USB	4 USB 3.1 (External)
LED	Power (Button embedded)
SIM Card	N/A

Expansion

Mini PCIe	1 x Full/Half size with PCIe x1 and USB2.0
M.2	1 x M.2 (Key E, 2230) with PCIe x1, USB 2.0 and CNVio fr Wireless
PCIe x16	N/A

Graphics

Graphics Processor	Coffee Lake integrated graphics
Interface	3 x DisplayPort 1.2, DP++ Max resolution up to 4096x2304@60Hz

Storage

SATA	2 x SATA3 (6Gb/s)
mSATA	N/A
Storage Device	1 x M.2 (Key M, 2242/2260/2280) with PCIe x4 and SATA3 for SSD 2 x 2.5" Swapable Storage Tray with Lock on Front

Audio

Audio Codec	Realtek ALC887, High Definition Audio.
Audio Interface	1 Mic-in, 1 Line-out

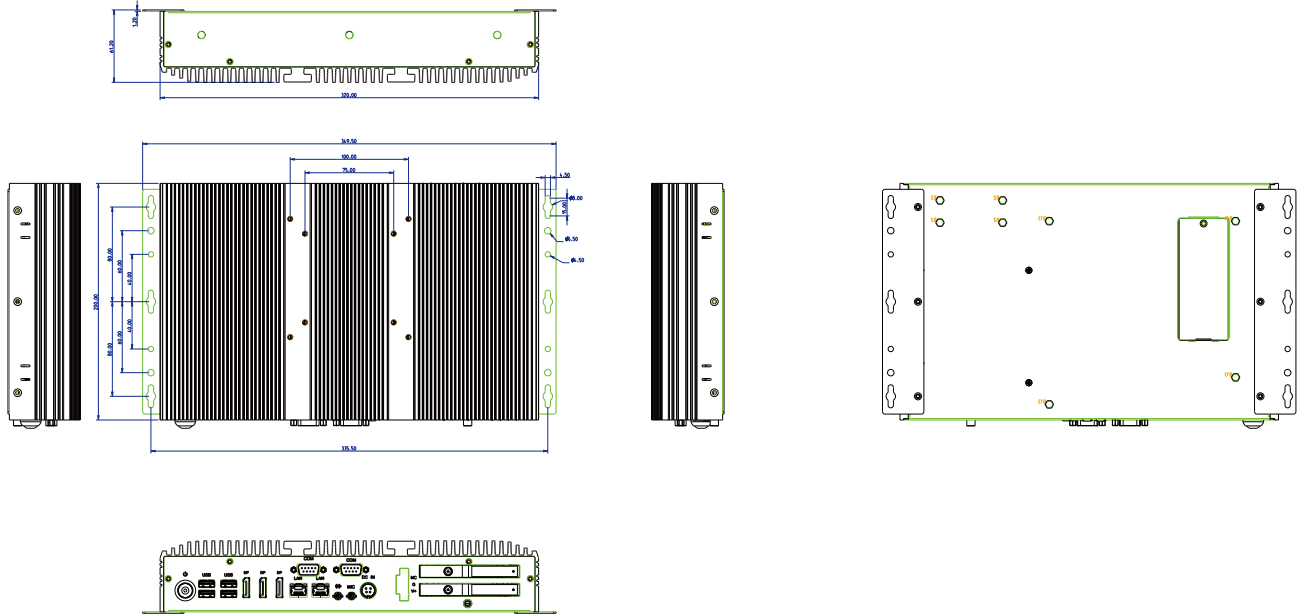
Ethernet

LAN 2	Intel® I210 GigE LAN
LAN 1	Intel® I219LM GigE LAN supports iAMT 12.0

Software Support

OS	Windows 10, Linux
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Dimension & I/O Connector



Power

Power Input	12V or 19~28V DC-In
Power Interface	3-pin Terminal Block : V+, V-, NC
Surge Protection	N/A

Others

TPM	TPM 2.0 onboard IC
Watchdog Timer	256 Segments, 0, 1, 2, ...255sec
Smart Management	PCIE Devices, RTC Power On supported
HW Monitor	Monitoring temperature, voltages, FAN control, Auto throttling control when

Mechanical

Dimensions (W x L x H)	349.5mm x 200mm x 60mm (without wall-mount bracket)
Weight	TBC
Mounting	Wallmount by mounting bracket VESA Mount 75/100 (on heatsink)

Environment

Operating Temperature	35W TDP CPU : -20°C to 60°C (Without Throttling)
Storage Temperature	-20°C to 60°C
Humidity	5% to 95% Humidity, non-condensing
Relative Humidity	95% @ 75°C
Vibration	1.5 Grms @10~500Hz, IEC-60068-2-64
EMC	CE, FCC