

# GMB-L3APL300

Intel® 8<sup>th</sup> Gen. Apollo Lake 3.5-inch SBC mainboard



CONTEC



## Features

- Intel® Apollo Lake Series processor supported
- Up to 8GB, DDR3L 1866/1600 Non-ECC SDDIMM on 1 x SODIMM slot
- Support Triple display includes DP, 24bit LVDS, and HDMI
- Support Mini-PCIe/ mSATA (Dual Mini-PCIe slot)
- Wide temperature -40~60°C supported

## Packing List

- 1 x Mainboard
- 1 x SATA cable
- 1 x Driver CD



Back View



## Specifications

### Main Information

CPU	Intel® Atom™ E3930 Processor
BIOS	AMI UEFI BIOS
OS Support	Windows®10 IoT Enterprise LTSC 2019 64 bit
System Memory	Up to 8 GB in 1 slots DDR3L SO-DIMM sockets
Storage	1 x SATA ports(SATA 6Gb/s)
Graphic	Controller: Intel® HD Graphics 505
	- LVDS: Supports Dual Channel 24bit up to resolution 1920 x 1200
	- DP: Supports DP up to resolution 4096 x 2160
	- HDMI: Supports HDMI up to resolution 3840 x 2160
Expansion Interface	2 x mini-PCIe Socket (Full size support mSATA/ Half size support WiFi/BT)
I/O Interface	6 x Serial Port
	- 1 x RS-232/422/485 with DP9 connector on Rear I/O (selected by BIOS)
	- 5 x RS-232 with on board pin header
	6 x USB Port
	- 2 x USB3.0 on rear I/O
- 4 x USB3.0 on board header	
	Audio Interface: Audio jack on rear I/O with Line-out Line-in, Line-out, and Mic-in on board pin header
Ethernet	2 x Gigabit Ethernet Intel® i210 IT
High Drive GPIO	1 x pin-header for GPIO (8bit in/out)
Operation Temperature	-40°C~60°C with 0.5m/s airflow
Storage Temperature	-40°C~85°C
Operating Humidity	5~95%, Non-condensing
Power Supply Voltage	12~24V DC in
Dimension	146(L) x 102(W) mm; 5.74"(L) x 4.02"(W)

### Ordering Guide

- GMB-L3APL300 3.5-inch SBC, Intel® Apollo Lake E3930 Processor, DDR3L SDRAM, 6\*COM and 12-24VDC input

### Option Accessory

- Audio Cable
- DIO Cable
- COM Cable
- USB cable