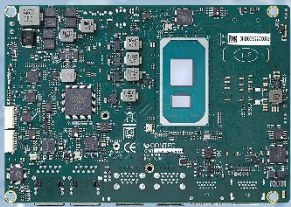
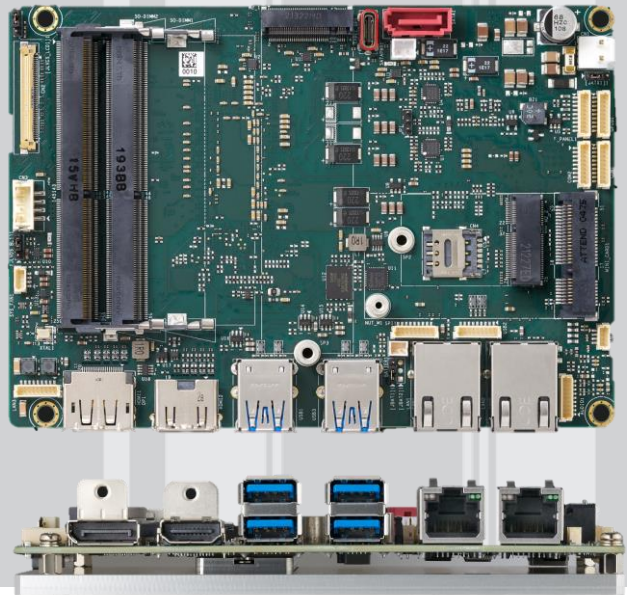


GMB-L3TGLx10

Intel® 11th Gen Core™ Tiger Lake –UP3 Platform



Kiosk 、
Terminals



POS 、
Social
Infrastructure



Medical 、
Healthcare



Features

- Intel® 11th Generation Core™ i3/i5/i7 Processor (Tiger Lake-UP3 Platform)
- 2x DDR4-3200 SO-DIMM, up to 64GB Supported
- 2x RJ-45 LAN port by 2.5GdE + 1GbE by internal (pinheaded)
- 1 x Full-sized Mini PCIe, 1 x M.2 2280 Key M, and 1 x M.2 2230 Key E Equipped
- 4 Independent display, HDMI, LVDS and 2x DisplayPort Supported (Internal 2nd DP Port by Type C connector)

SKU Selection Guide

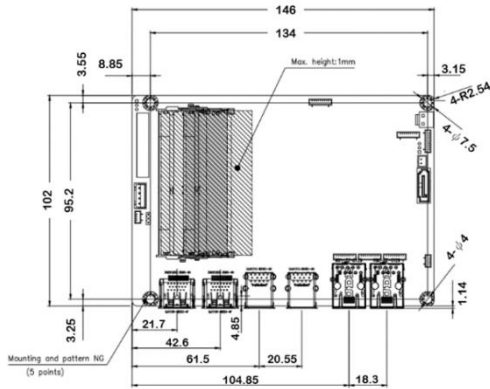
Selection Guide			
Model No.	GMB-L3TGL210	GMB-L3TGL310	GMB-L3TGL410
Proecssor Specifications	i3-1115G4E	i5-1145G7E	i7-1185G7E
	2C/4T 3.90 GHz	4C/8T 4.10 GHz	4C/8T 4.40 GHz
	6 MB Intel® Smart Cache	8 MB Intel® Smart Cache	12 MB Intel® Smart Cache
	Intel® UHD Graphics	Intel® Iris® Xe Graphics	Intel® Iris® Xe Graphics

Packing List

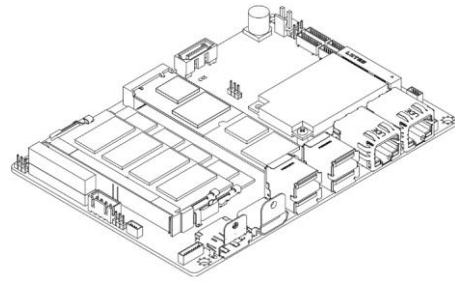
- 1x Motherboard
- 1x Installation CD



Mechanical Dimensions



Demo when Module installation



Specifications

MODEL NAME	GMB-L3TGL210	GMB-L3TGL310	GMB-L3TGL410
PROCESSOR	11th Intel® Core™ i3-1115G4E	11th Intel® Core™ i5-1145G7E	11th Intel® Core™ i7-1185G7E
CHIPSET	SoC (System on chipset)		
BIOS	AMI UEFI BIOS		
MEMORY	2 x 260-pin SO-DIMM, single-channel DDR4-3200MHz, up to 64GB		
STORAGE I/F	1 x SATAIII (6.0Gb/s) Port		
WATCHDOG TIMER	By Software Programmable		
HARDWARE MONITORING	System monitor(Voltage,Fan Speed and Temperature)		
EXPANSION INTERFACE	1 x Full-sized Mini PCIe for LTE nano-SIM holder (PCIe+USB Signal) 1 x M.2 Key M 2280 for storage (PCIe+SATA Signal) 1 x M.2 Key E 2230 for wireless LAN (PCIe+USB Signal)		
AUDIO	Internal pin header for Mic-in and Line-out and Audio amplifiers (2.65W/4Ω)		
ETHERNET	Triple Ethernet Port support: 2x 2.5GbE with RJ45 connector on rear I/O by Intel i225 controller 1x GbE on internal pin header by Intel i210 controller		
SERIAL PORT	Triple Serial Port support (without RI signal) 1x RS232/422/485: selectable by BIOS (by internal box header) 2x RS232 (by internal box header)		
USB PORT	4 x USB3.2 Gen2x1 Type A Connector on rear panel 2 x USB2.0 port with internal connector		
GPIO	4-bit general purpose input/output (by internal pin header)		
GRAPHIC CONTROLLER	Intel® UHD Graphics for 11th Gen Intel® Processors	Intel® Iris® Xe Graphics	
DISPLAY INTERFACE	4 Independent displays supported: - LVDS: Dual channel 18/24 bits (up to 1920 x 1200 @ 60Hz) - HDMI (up to 4096 x 2160 @ 30/24Hz) - 2 x Display Port (up to 4096 x 2304 @ 60Hz) 1 st DP on rear I/O .2nd DP by Internal Type C connector		
POWER MANAGEMENT	PC98/ PC99 ACPI power management supported		
TPM	Onboard TPM 2.0		
DIMENSIONS (L X W)	3.5" (146mm x 102mm)		
POWER SUPPLY	12-24 VDC (± 10%) ; ATX /AT Mode by jumper setting		
ENVIRONMENT	Operation Temperature: 0 to 60°C (with 0.7m/s airflow) Storage Temperature: -10 to 70°C Humidity: 10 to 90% non-condensing		
OS DRIVER SUPPORT	Windows® 10 IoT Enterprise LTSC 2021 64 bit		
CERTIFICATE	CE / FCC (Class A) , RoHS2.0		

Ordering Guide

● GMB-L3TGL210-0LN	3.5-inch SBC, Intel Tiger Lake-UP3 Core i3-1115G4E Processor
● GMB-L3TGL310-0LN	3.5-inch SBC, Intel Tiger Lake-UP3 Core i5-1145G7E Processor
● GMB-L3TGL410-0LN	3.5-inch SBC, Intel Tiger Lake-UP3 Core i7-1185G7E Processor
● GMB-L3TGL210-0LH	3.5-inch SBC, Intel Tiger Lake-UP3 Core i3-1115G4E Processor, with heat spreader
● GMB-L3TGL310-0LH	3.5-inch SBC, Intel Tiger Lake-UP3 Core i5-1145G7E Processor, with heat spreader
● GMB-L3TGL410-0LH	3.5-inch SBC, Intel Tiger Lake-UP3 Core i7-1185G7E Processor, with heat spreader

Option Accessory

● COM Port Cable	● Audio Cable
● Mainboard DC IN Cable	● SATA Cable
● GPIO Cable	● SATA Power Cable