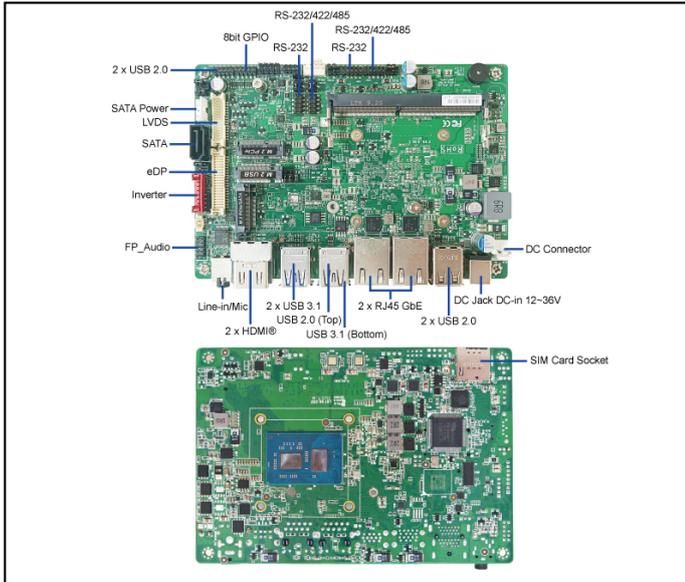


F35-EHL1



Mini-ITX

Powered by Intel® Celeron® Processor J6412 (Formerly Elkhart Lake, TDP 10W)



Features

- Powered by Intel® Celeron® Processor J6412 (Formerly Elkhart Lake, TDP 10W)
- Memory: 1 x DDR4 SO-DIMM, supports up to 32GB
- Dual Ethernet Ports: 2 x 2.5GbE for fast and reliable networking
- Versatile I/O: 3 x USB 3.1 Gen 2, 5 x USB 2.0, 4 x COM ports
- Storage & Expansion: 1 x M-Key (PCIe x2 / SATA), 1 x B-Key (USB 3.1 / USB 2.0), 1 x E-Key (PCIe x1 / USB 2.0)
- Display Outputs: 2 x HDMI® 2.0, 1 x LVDS, 1 x eDP
- Security: Onboard TPM 2.0 (optional)
- Wide Range Power Input: 12-36V DC input

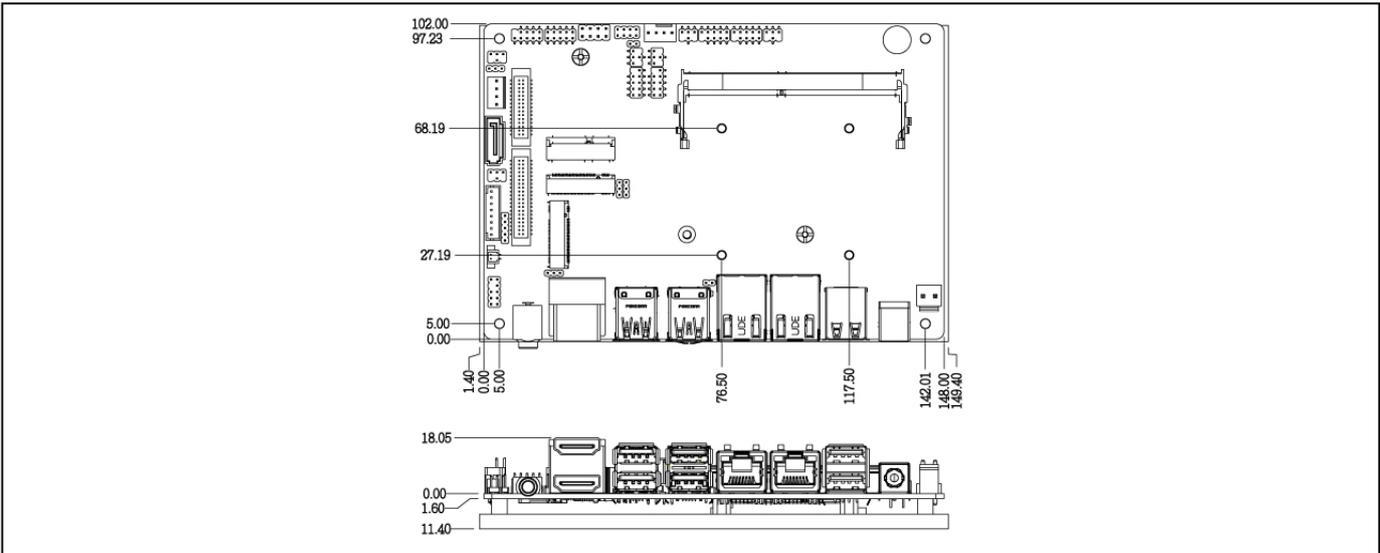
Packing List

PART NUMBER	DESCRIPTION	QTY
F35-EHL1 Series	F35-EHL1 Series M/B	1
G01-COM-H2M22-1F	COM9 2 x 5P 1/2 K=9 L=220mm P=2.0	2
G01-SATA3-BL-1F	SATA Cable	1

Specifications

SYSTEM	
MB FORM FACTOR	3.5"
CPU	Onboard Intel® Celeron® Processor J6412 (Formerly Elkhart Lake, TDP 10W)
CHIPSET	Intel® SoC
MEMORY	1 x DDR4 3200MT/s, Single Channel SO-DIMM, up to 32GB
BIOS	AMI Flash ROM
WAKE ON LAN	Yes
WATCHDOG TIMER	255 Levels
SECURITY	Intel® PTT (Integrated fTPM) & TPM 2.0 (dTPM)
DIMENSION (W x D)	148.0 (W) x 102.0 (D) mm (5.8" x 4.0")
OS SUPPORT	Windows® 11 (64bit), Windows® 10 (64bit), Linux
POWER	
POWER REQUIREMENT	DC-in 12-36V
POWER ON MODE	AT / ATX
CONNECTOR	Internal 2-pin Header DC Jack
DISPLAY	
GPU	Intel® HD Graphics, shared memory
LVDS	1 x LVDS (Max. Resolution: 1920 x 1200 @60Hz)
eDP	1 x eDP (Max Resolution: 2560 x 1600@60Hz)
HDMI®	2 x HDMI® 2.0 (Max Resolution: 4096 x 2160@60Hz)
AUDIO	
CODEC	Realtek ALC897
COMBO	1 x Combo Audio Jack for Line-Out / Mic-In
AMPLIFIER	3W
LAN	
ETHERNET	2 x RJ45 for Intel® I226-V 2.5GbE
USB PORT	
USB	3 x USB 3.1 Gen 2 3 x USB 2.0 Internal Header for 2 x USB 2.0
SERIAL PORT	
COM	Internal Header for 2 x RS-232/422/485 Internal Header for 2 x RS-232
INTERNAL I/O	
GPIO	8-Bit
SMBUS	Yes
FRONT PANEL	HDD Active LED, Power On/Off, Power LED, Reset
ADDITIONAL	1 x Chassis Intrusion 1 x Inverter 1 x AT/ATX Mode Selection
STORAGE	
SATA	1 x SATA III 1 x SATA Power Connector
EXPANSION	
M.2	1 x M-Key 2242/2280 (SATA/PCIe 3.0 x2) 1 x B-Key 3042 (USB2.0/USB3.1) 1 x E-Key 2230 (USB 2.0/PCIe 3.0 x1)
SIM	1 x SIM Card Slot
ENVIRONMENT & CERTIFICATION	
OPERATING TEMPERATURE	-10°C - 60°C (14°F - 140°F)
STORAGE TEMPERATURE	-20°C - 70°C (-4°F - 158°F)
OPERATING HUMIDITY	10 - 90% @ 40°C, Non-condensing
CERTIFICATION	CE/FCC Class A LVD
ESG DECLARATION	EU RoHS, China RoHS, REACH (Option)

Dimension Unit: mm



Ordering Information

PART NUMBER	F35-EHL1-641200A1	F35-EHL1-641202A1
CPU	Intel® Celeron® J6412	Intel® Celeron® J6412
SECURITY	Intel® PTT (fTPM)	TPM 2.0 (dTPM)