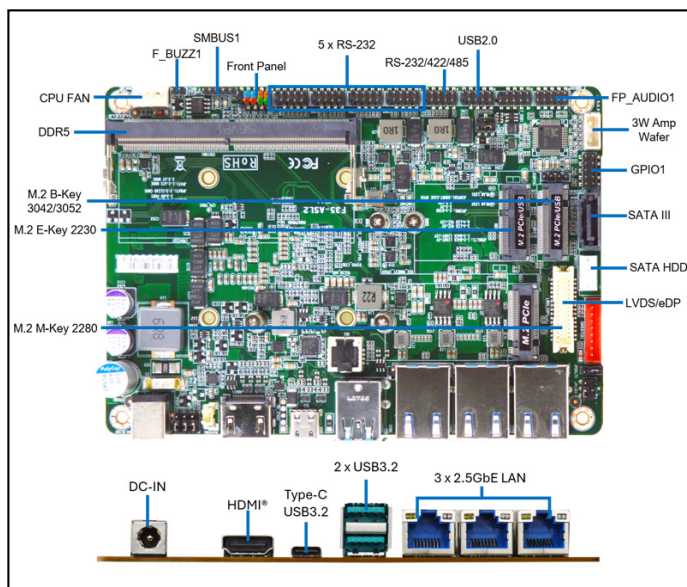


3.5" Motherboard with Intel Atom® Processor X Series



Features

- Powered by Intel® Atom® x7000RE processors and DDR5 memory, delivering high-efficiency performance up to 9W TDP for advanced edge applications
- Triple Display: HDMI, USB Type-C DP, and LVDS/eDP outputs, supporting three independent displays at up to 4K resolution
- High-Speed Connectivity: 3 x Intel® 2.5GbE LAN and multiple M.2 slots for high-bandwidth wired and wireless networking
- Comprehensive I/O: 6 x COM, 8-bit GPIO, and 5 x USB ports (including 3 x USB 3.2)
- Wide Power Input: DC-in 9–36V for industrial applications
- Wide-Temperature Operation: -40°C to 85°C

Packing List

PART NUMBER	DESCRIPTION	QTY
Part Number	Description	QTY per Board
F35-ASL2	F35-ASL2 MB	1
F01-SP-A-BK-3F	Jumper	2
G01-COM-H2M22-1F	COM Cable	2
G01-SATA3-BL-2F	SATA Cable	1
G01-PW4PS2S-322-3F	SATA Power Cable	1
F05-JF35-04-F	Heatsink(assembled)	1

Specifications

SYSTEM	
MB FORM FACTOR	3.5"
CPU	Onboard Intel Atom® x7433RE Processor (Formerly Amston Lake, TDP 9W) For additional compatible CPUs, please contact regional sales
CHIPSET	Intel® SoC
MEMORY	1 x DDR5 4800MT/s, Single Channel SO-DIMM, up to 48GB
BIOS	UEFI
WAKE ON LAN	Yes
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0 (dTPM, Optional)
RTC BATTERY	Lithium Battery
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 9–36V
POWER ON MODE	AT / ATX (Default) Mode
CONNECTOR	DC Jack
DISPLAY	
GPU	Intel® UHD Graphics
LVDS	1 x 24-bit Dual Channel LVDS (Max. Resolution: 1920 x 1200 @60Hz, co-layout eDP)
Type-C DP	1 x Type-C DP1.4 (Max Resolution: 4096 x 2160@60Hz)
HDMI®	1 x HDMI® 1.4b (Max Resolution: 3840 x 2160@30Hz)
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek Audio Codec
COMBO	1 x Internal Header(Line-in/Line-out/Mic-in)
AMPLIFIER	3W
LAN	
ETHERNET	3 x RJ45 for Intel® I226-IT 2.5GbE
USB PORT	
USB	2 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2) 1 x USB 3.2 Gen 2x1 Type-C (10Gbps) Support DP ALT Mode Internal Header for 2 x USB 2.0
SERIAL PORT	
COM	Internal Header for 1 x RS-232/422/485 Internal Header for 5 x RS-232
INTERNAL I/O	
GPIO	8-Bit
SMBUS	Yes
FAN	1 x CPU Fan Header
FRONT PANEL	HDD Active LED, Power LED, Power On/Off, Reset
ADDITIONAL	1 x Chassis intrusion 1 x AT/ATX Mode Selection
STORAGE	
SATA	1 x SATA III 1 x SATA Power Connector
eMMC	eMMC 128GB (By Request)
EXPANSION	
M.2	1 x B-Key 3042/3052 (USB 3.2) for 4G/5G/LTE 1 x E-Key 2230 (USB 2.0/PCIe 3.0 x1) Support CNVi 1 x M-Key 2280 (PCIe x2)
SIM	1 x Nano SIM Card Slot
ENVIRONMENT & CERTIFICATION	
OPERATING TEMPERATURE	-40°C ~ 85°C (-40°F ~ 185°F)
STORAGE TEMPERATURE	-40°C ~ 85°C (-40°F ~ 185°F)
OPERATING HUMIDITY	10 ~ 90% relative humidity, non-condensing
CERTIFICATION	CE/FCC Class A

