

EC3-1822

3.5" SBC with Intel® Celeron® J6412/N6211, Atom® X6425E

- Onboard Intel® Celeron® J6412/N6211, Atom® X6425E
- Support DDR4 SO-DIMM up to 32GB
- Provide 6 x USB/4 x COM/1 x SATA3.0/3 x M.2/2 x LAN
- Support HDMI2.0, DP1.4, LVD tri-display
- Widely used in industries such as medical, machine vision, industrial control, intelligent robot and so on.



Specifications

Item	Description
Processor	Onboard Intel® J6412 / N6211 / X6425E series processors
Memory	1 x 260pin DDR4 SO-DIMM , Support up to 3200MHz, Max. 32GB
Display	HDMI2.0, DP1.4, LVDS tri-display
Audio	Adopt HDA standard , support MIC-IN/LINE-IN/LINE-OUT
LAN	2 x 10/100/1000Mbps LAN LAN1 supports Wake-on-LAN
Storage	1 x SATA3.0, 1 x M.2 2242 Key-M (SATA3.0)
IO	2 x USB 3.1 GEN2, 4 x USB 2.0 2 x RS232/422/485, 2 x RS232 1 x TPM, support TPM 2.0 encryption 1 x 16ch GPIO
Expansion bus	1 x M.2 E-key 2230 (USB 2.0 signal and PCIeX1 signal), support Wifi module 1 x M.2 B-key 3052 (USB 2.0signal and USB 3.1 GEN1signal), with SIM card slot, support 4G/5G module
Power supply	Adopt DC 12V power supply by default Optional DC9-36V wide voltage power supply module



Working environment	-10°C ~ 60°C (standard) X6425E SBC can choose wide temperature (-40°C ~ 85°C).
Storage environment	-40°C ~ 85°C
Constant damp-heat	40°C 95%RH non-condensing
Size	146.1mm (L) × 101.6mm (W)
OS	Windows 10/Windows 11 64 bit, Ubuntu, Linux high kernel version

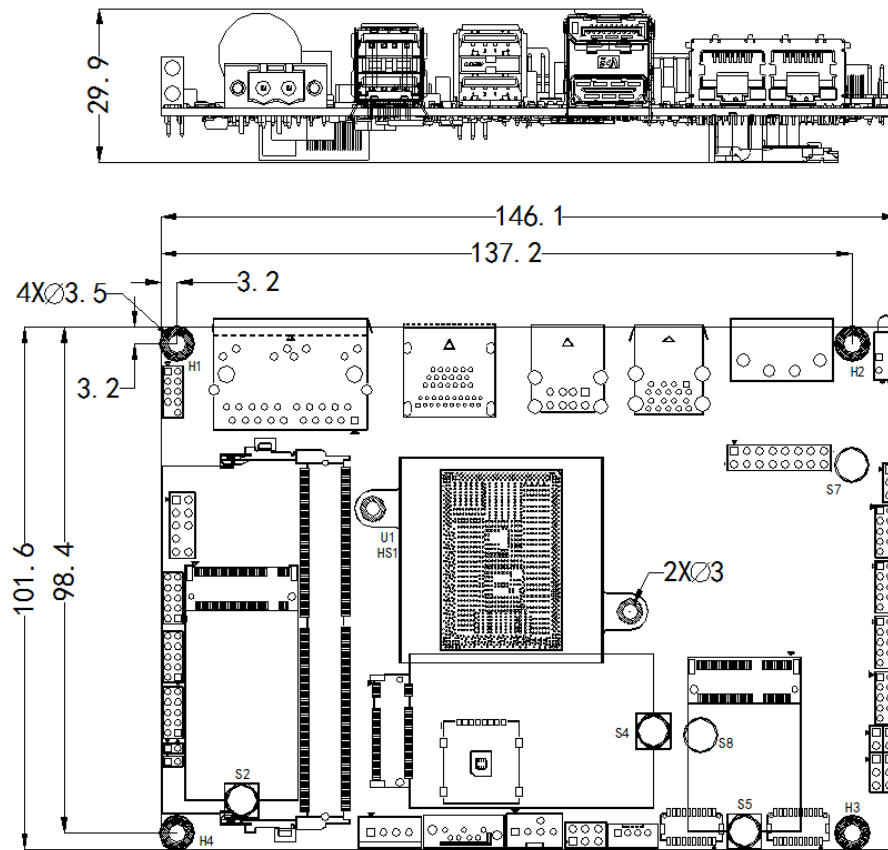
Ordering Information

Part Number	Model Number	Description
0030-024491	EC3-1822-N6211	3.5 " SBC/Onboard N6211 dual core processor/1 x 260pin DDR4 SO-DIMM slot/DP+HDMI+LVDS/1 x 16 BIT GPIO/ 2 x USB3.1 Gen2 /4 x USB2.0/1 x Audio/2 x GbE/1 x SATA3.0/1 x M.2 Key-M/2 x RS-232,2 x RS-232/422/485/1 x M.2 Key-E (support Wifi)/1 x M.2 Key-B (support 4G/5G)/DC12V/No CPU heat sink assembly
0030-024481	EC3-1822-J6412-01	3.5 " SBC/Onboard J6412 quad processor/1 x 260pin DDR4 SO-DIMM slot/DP+HDMI+LVDS/1 x 16BIT GPIO/2 x USB3.1 Gen2/4 x USB2.0/1 x Audio/2 x GbE/1 x SATA3.0/1 x M.2 Key-M /2 x RS-232,2 x RS-232/422/485/1 x M.2 Key-E (support Wifi)/1 x M.2 Key-B (support 4G/5G)/DC12V /No CPU heat sink assembly
0030-024701	EC3-1822-J6412-02	3.5 " SBC/Onboard J6412 quad core processor/1 x 260pin DDR4 SO-DIMM slot/DP+HDMI+LVDS/1 x 16BIT GPIO/2 x USB3.1 Gen2/4 x USB2.0/1 x Audio/2 x GbE/1 x SATA3.0/1 x M.2 Key-M /2 x RS-232,2 x RS-232/422/485/1 x M.2 Key-E (support Wifi)/1 x M.2 Key-B (support 4G/5G)/DC 9-36V wide voltage/No CPU heat sink assembly
0030-024501	EC3-1822-X6425E	3.5 " SBC/Onboard X6425E quad core processor/1 x 260pin DDR4 SO-DIMM slot/DP+HDMI+LVDS/1 x 16BIT GPIO/2 x USB3.1 Gen2/4 x USB2.0/1 x Audio/2 x GbE/1 x SATA3.0/1 x M.2 Key-M /2 x RS-232,2 x RS-232/422/485/1 x M.2 Key-E (support Wifi)/1 x M.2 Key-B (support 4G/5G)/DC 9-36V wide voltage /No CPU heat sink assembly

Spare Component

Part Number	Description
1500-016451	EC3-1822-J6412/N6211, CPU heat sink assembly (for J6412/N6211)
1500-016461	EC3-1822-X6425E, CPU heat sink assembly (for X6425E)

Dimension



Unit: mm