

EPC-I14X2E8U4SVDD

Intel® 14/13/12. Gen. rugged embedded PC, 6x
2.5GbE LAN, USB-C, PCIe Cassette, MezzIO™ interface,
-25 ~ 70 °C, 8-48 VDC

FEATURES



Binär Teknik AB
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Supports Intel® 14th/13th/12th Generation Alder Lake Core™ CPU (LGA1700, 35/65W TDP)
 Intel® Q670E chipset, integrated Intel® UHD Graphics 770
 Max. 64 GB DDR5 4800 MHz SDRAM (2 x SO-DIMM)
 Up to 6 x 2.5 GbE/GbE LAN with screw lock (must be ordered separately. 1 x 2.5 GbE + 1 x GbE on 2-port models / 5 x 2.5 GbE + 1 x GbE on 6-port models)
 Can be ordered IEEE 802.3at PoE+ PSE on 2.5GbE port 3-6, total PoE budget 100 W
 1 x USB 3.2 Gen2x2 (20 Gbps) Type-C with screw lock
 4 x USB 3.2 Gen2x1 (10 Gbps) type-A + 2 x USB 3.2 Gen1x1 (5 Gbps) type-A
 2 x USB 2.0 ports
 1 x VGA, 1 x DVI-D, 1 x DisplayPort (up to 4K resolution)
 COM: 2 x RS-232/422/485 (COM1/COM2, software configurable) + 2 x RS-232 (COM3/COM4)
 2 x internal SATA ports for 2.5" HDD/SSD (RAID 0/1 on E/P/DE models) or 1 x hot-swap 2.5" SSD/HDD + 1 x internal SATA (LP models)
 1 x M.2 2280 (PCIe Gen4 x4) for NVMe SSD (up to ~7000 MB/s)
 Patented cassette for expansion with PCIe/PCI cards:
 Version 1: 1 x PCIe x16 Gen3
 Version 2: 2 x PCIe x16 Gen3
 Version 3: 1 x PCI slot
 1 x mini PCIe (full size)
 1 x M.2 2242/3052 B with nano-SIM for 4G/5G modem
 1 x expandable (extra COM, digital I/O, more GigE/PoE, USB, etc.)
 8-48 V DC input via 3-pin terminal block
 Remote on/watchdog/LED output via separate 3-pin terminal block
 Fanless, industrial design - tested to MIL-STD-810G for vibration and shock
 Operating temperature (depending on CPU configuration):
 -25 ~ 70 °C with 35 W CPU
 -25 ~ 50 °C with 65 W CPU (full TDP)
 Wall mounting as standard, DIN rail mounting as an option
 Certification: CE/FCC Class A
 Many versions, contact our sales department

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For business customers only (B2B). Prices exclude VAT. We reserve the right to correct errors and make changes.



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SPECIFICATIONS

CPU	:	14th-12th gen. Supporting Intel® 14th-Gen Core™ CPU (LGA1700 socket, 65W/35W TDP) - Intel® Core™ i9-14900/ i9-14900T - Intel® Core™ i7-14700/ i7-14700T - Intel® Core™ i5-14500/ i5-14400/ i5-14500T - Intel® Core™ i3-14100/ i3-14100T
Chipset	:	Intel® Q670E platform controller hub
USB	:	1x USB 3.2 Gen2x2 (20 Gbps) port in type-C connector with screw-lock 4x USB 3.2 Gen2x1 (10 Gbps) ports in type-A connectors 2x USB 3.2 Gen 1x1 (5 Gbps) ports in type-A connectors 2x USB 2.0 ports
Ethernet	:	There is more versions!1x 2.5G Ethernet by I225 and 1x Gigabit Ethernet by I219 with screw-lock OPTION:2.5G Ethernet by I225 and 1x Gigabit Ethernet by I219 with screw-lock
Forsyning	:	1x 3-pin pluggable terminal block for 8 to 48V DC input 1x 3-pin pluggable terminal block for remote control and PWR LED output
Grafik	:	Integrated Intel® UHD Graphics 770 (32EU)
Hukommelse	:	Up to 64 GB DDR5 4800 SDRAM (two SODIMM slots)
Lyd	:	1x 3.5 mm jack for mic-in and speaker-out
PCI	:	Needs to be ordered 1x PCI slot in Cassette
PCI	:	Needs to be ordered 2 solutions: 1x PCIe x16 slot@Gen3, 16-lanes PCIe signals in Cassette (Nuvo-9002E/ 9006E) 2x PCIe x16 slots@Gen3, 8-lanes PCIe signals in
PoE	:	Optional IEEE 802.3at PoE+ PSE for Port 3 ~ Port 6 100 W total power budget
Porte	:	2x software-programmable RS-232/ 422/ 485 ports (COM1/ COM2) 2x RS-232 ports (COM3/ COM4)





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SPECIFICATIONS

Udvidelser	:	1x expansion port for special IO modules
AMT	:	Supports Intel vPro/ AMT 16.0
Dimensioner	:	2 sizes contact sales 240 mm (W) x 225 mm (D) x 90 mm (H) (Single slot solution E/ P series) 240 mm (W) x 225 mm (D) x 110.5 mm (H) DUAL slot solution



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