

IPC-221

Compact Industrial Computer System Supporting Intel Core Ultra Series 2 Ultra 9/7/5 Processors (LGA 1851)

NEW



Features

- Intel® Core™ Ultra Series 2 CPU socket-type (LGA1851) with Intel® Q870/H810 chipset
- 2 x independent displays
- 2 x GigaLan and up to 8 USB 3.2 Gen2
- 2 x RS-232/422/485
- 1 x NVMe M.2 (PCE-2134 Only), 2 x 2.5" HDD/SSD, and 1 x mSATA
- Built-in TPM module (TPM 2.0)
- Built in 100~240VAC, 250W Adaptor

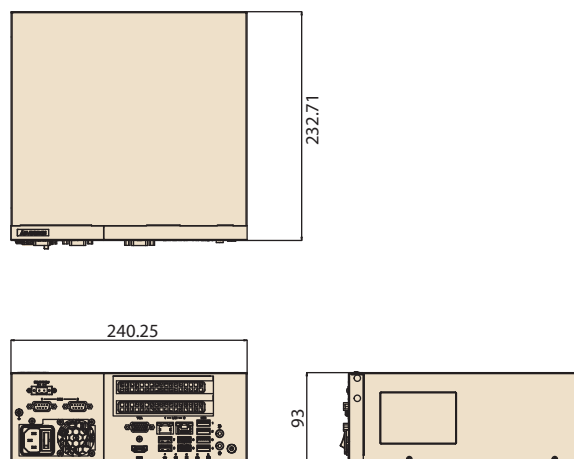


Specifications

Intel® Core™ Ultra Processors Series 2 (Arrow Lake-S)	CPU	Ultra 9 285	Ultra 9 285T	Ultra 7 265	Ultra 7 265T	Ultra 5 245	Ultra 5 245T	Ultra 5 225	Ultra 5 225T
	P-core Base Frequency	2.5GHz	1.4GHz	2.5GHz	1.5GHz	3.5GHz	2.2GHz	3.3GHz	2.5GHz
	L3 Cache	36MB	36MB	30MB	30MB	24MB	24MB	20MB	20MB
	Cores	24	24	20	20	14	14	10	10
	Processor Base Power	65W	35W	65W	35W	65W	35W	65W	35W
Processor System	Socket	LGA 1851							
	Chipset	Q870 / H810							
	BIOS	AMI 256Mbit SPI Flash							
Memory	Technology	Dual-channel DDR5 6400 MHz							
	Socket	2 x 262 pin DDR5 SODIMM (Up to 48GB per socket)							
	Maximum Capacity	96GB							
	Chipset	PCE-2134: Q870 PCE-2034: H810							
Display	VGA	Up to 1920 x 1080 @ 60Hz							
	HDMI	Up to 3840 x 2160 @ 60Hz							
Ethernet	Controller	PCE-2134 LAN1: Intel I219LM, LAN2: Intel I226V PCE-2034 LAN1: Intel I219V, LAN2: Intel I226V							
	Interface	LAN1: 10/100/1000 Mbps; LAN2: 10/100/1000/2500 Mbps							
	Connector	2 x RJ45							
Storage	NVMe M.2	1 (PCIe x4 M-key 2280 type, PCE-2134 Only)							
	HDD/SSD	2 x 2.5" HDD/SSD (Max 15mm Height each)							
	mSATA	1							
	RAID	0/1 (PCE-2134 Only)							
I/O	USB	PCE-2134: 8 x USB 3.2 Gen2 PCE-2034: 2 x USB3.2 Gen1, 2 x USB3.2 Gen2 , 4 x USB2.0							
	Serial Port	2 x RS-232/422/485 support auto flow control							
	Audio	2 (Line-out, Mic-in)							
Expansion	Expansion slots	One PCIe x16 One PCIe x4							
	Support card size	111.15mm(Full height) x 168mm (Half length)							
Watchdog Timer	Output	System reset							
	Interval	Programmable 1 ~ 255 sec/min							
Environment	Temperature	Operating 0 ~ 40 °C				Non-operating -40 ~ 70 °C			
	Humidity	95% @ 40 °C (non-condensing)							
	Vibration	With SSD: 2 Grms @ 5 ~ 500 Hz, random, 1 hr/axis With 2.5" HDD: 0.5Grms @ 5 ~ 500 Hz, random, 1 hr/axis				2G			
	Shock	With SSD: 10G, IEC-68-2-27, half-sine wave, 11 ms duration							
Mechanical	Dimensions (W x D x H)	240 x 233 x 93 mm							
	Weight	2.5 kg							
	Installation	Desktop/wall mount							
Certifications	EMC	CE/FCC Class A, CCC							
	Safety	CCC							

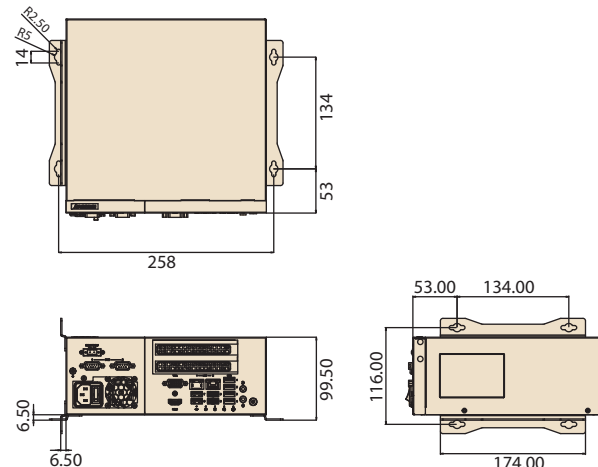
Dimensions

Unit: mm



Installation

Unit: mm



Front View



Rear View



Ordering Information

Part Number	Compatible Mother Board	PCIe x16	PCIe x4	PCI	HDD/SSD	COM	Internal USB (2.0 Type A)
IPC-221-00A1	PCE-2134-00A1	1	1	0	2 x 2.5"	2	1
	PCE-2034-00A1	1	1	0	2 x 2.5"	2	1

Part number	Chipset	Intel CPU Support	TPM	USB 3.2	USB 2.0	GbE	NVMe M.2	miniPCIe
PCE-2134-00A1	Q870	Intel Core Ultra Series 2	TPM 2.0	8	0	2	1	1 (mSATA, PCIe, USB)
PCE-2034-00A1	H810	Intel Core Ultra Series 2	TPM 2.0	4	4	2	0	1 (mSATA, PCIe)

Optional Accessories

Part Number	Description
1970006211S001	1U CPU Cooler LGA1700 65W 92x89x26.2
1970005354T001	1.5U CPU Cooler LGA1700 65W 110x110x45.4
1702002600	Power cord (USA) UL/CSA, 3-pin, 10A, 125V, 1.83 M, 180 D
1700022940-01	Power cord PSE, 3-pin, 7A, 125V, 3 m, DAC-ST01
1702002605	Power cord (EU) 2-pin, 10/16A, 220V, 1.83 M, 90 D



Note: Please select 1U Cooler if need to install 2 expansion cards