

UBX-250SL

Multi-functional Box Computer with Intel socket type LGA1700 Core Processor



DeviceOn/iService

Features

- Intel® socket-type (LGA1700) Core™ processors with Intel® Q670E chipset
- Modular, detachable I/O board design for rich and flexible I/O configurations
- Four display outputs: HDMI, DP++, and dual USB-C with DisplayPort
- Expansion support: 2 x M.2 2280 B-key and 1 x M.2 2230 E-key
- 2 x RS-232 ports with selectable 5V/1A or 12V/0.5A via jumper
- Full-function USB Type-C with up to 60W Power Delivery (USB-C 1)
- Intel® vPro™ (iSIPP) support for enterprise management
- Supports Advantech iBMC out-of-band power management via DeviceOn

Introduction

UBX-250SL is a versatile high-performance edge computing system designed for a wide range of commercial and industrial applications. With support for up to 330W system power budget, it is capable of driving high-power peripherals and external devices with stable operation. The platform offers rich and flexible I/O, including powered USB, powered COM, and USB-C power delivery up to 60W, enabling simplified integration with diverse equipment and sensors. Its modular I/O architecture supports scalable configuration, while advanced features such as dual-channel memory, NVMe SSD storage, IPMI (BMC) remote management, and lockable I/O enhance system reliability, manageability, and security—making UBX-250SL an ideal foundation for edge AI, automation, digital signage, kiosks, and general-purpose edge computing deployments.

Specifications

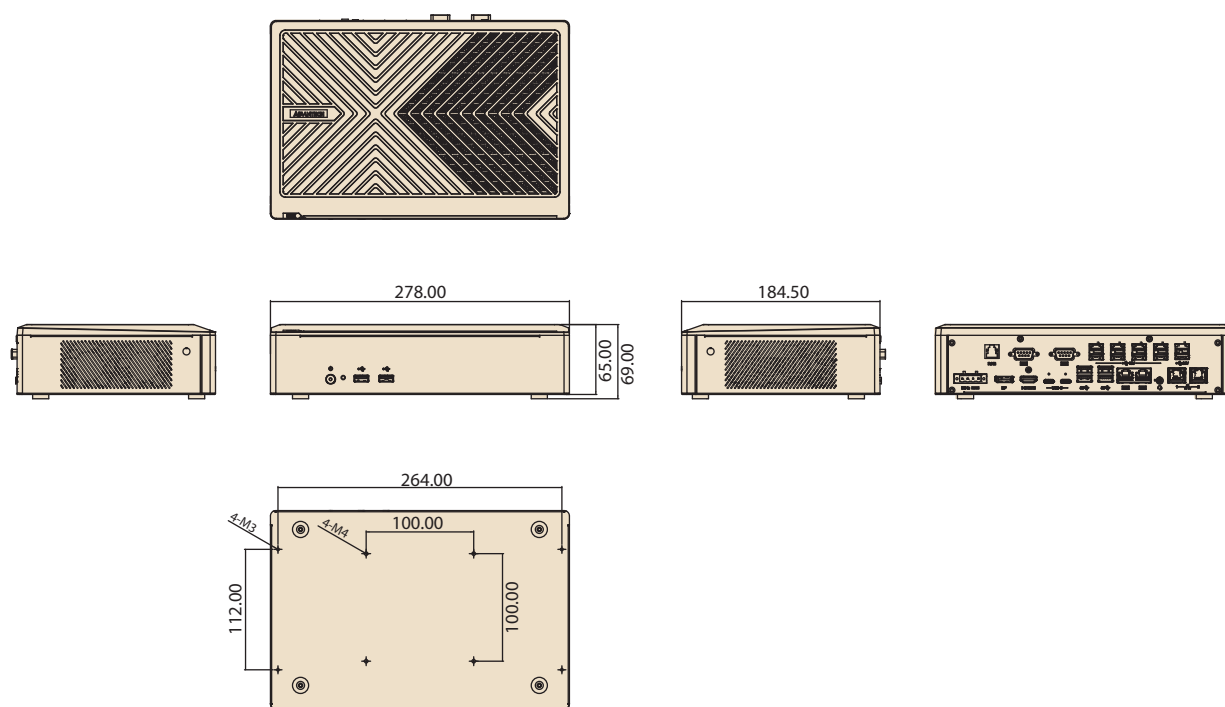
		Model	UBX-250SL	I/O Type A	I/O Type B
		CPU / Chipset	Intel Core Processor/Q670E	-	-
		Socket	FCLGA1700	-	-
Memory	Type	SODIMM DDR5	-	-	
	Channel	2	-	-	
	Max.	96GB	-	-	
Storage	NVME/SATA M.2 2280	2	-	-	
I/O	P-COM (RJ45)	5V/1A or 12V/0.5A (via jumper)	2	-	-
		RS232 only			
	USB A	USB2.0	2	-	-
		USB3.2 Gen.1, 5Gb/s	4	-	4
	USB C (Full Function)	USB3.2 Gen.1, 5Gb/s	2 (PD :USB-C 1 60W + USB-C 2 15W)	-	-
	Display	DP++ 1.4a, 8.1 Gb/s	1	-	-
		HDMI 2.1	1	-	-
	Audio	MIC-in/Speak out combo	1	-	-
	P-USB	12V/1.5A	-	4	-
		24V/3A	-	1	-
	P-COM (DB9)	5V/1A or 12V/0.5A (via jumper)	-	2	4
		RS232/422/485 (via switch)			
	RJ	RJ12 (Cash Drawer)	-	1	-
		RJ45 (GbE)	1	-	-
		RJ45 (2.5GbE)	1	-	-
GPIO	Terminal block	-	-	8	
Power Connector	Power adapter	4pin terminal block	-	-	
Expansion	M.2 2230 (for WiFi/BT)	1	-	-	
	Proprietary B2B connector	1	-	-	
Power Source	Actual power	230W/330W (optional)	230W	230W	
	Type	Power adapter	-	-	

Specifications (Cont.)

Operating System		Windows 10 LTSC 21H2 Windows 11 LTSC 24H2 Ubuntu 24.04
Environment	Operating Temperature	0 ~ 40 °C
	Storage Temperature	-20 ~ 60 °C
Physical	Dimensions (W x D x H)	278x184.5x65mm
	Weight	NW: 2.3kg - -
Software		SUSI, DeviceOn
Certificate		CE, FCC Class B, CCC, BSMI, RF RED, EN 62368, ErP, CB, UL

Dimensions

Unit: mm



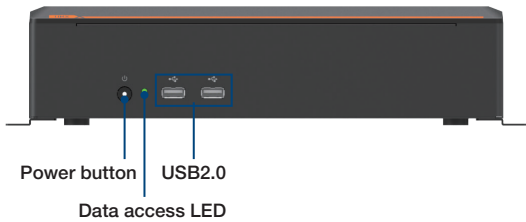
Ordering Information

P/N	Description
UBX-250SL-BI300	UBX-250SL, CORE i3 3.6G 4C 201E, I/O Type A
UBX-250SL-BI301	UBX-250SL, CORE i3 3.6G 4C 201E, I/O Type B
UBX-250SL-BI500	UBX-250SL, CORE i5 1.8G 14C 221TE, I/O Type A
UBX-250SL-BI501	UBX-250SL, CORE i5 1.8G 14C 221TE, I/O Type B
UBX-250SL-BI700	UBX-250SL, CORE i7 1.4G 24C 251TE, I/O Type A
UBX-250SL-BI701	UBX-250SL, CORE i7 1.4G 24C 251TE, I/O Type B

Package Content

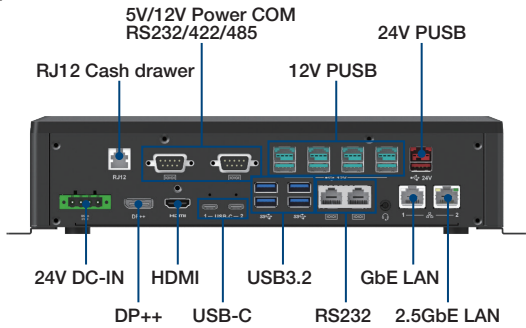
- 1 unit UBX-250SL Box Computer
- 1 pcs DC24V/9.58A, 230W Power adapter
- 1 set of Wall Mount Kit
- 1 pcs Thermal Pad for DDR5 Memory
- 2 pcs Thermal Pad for SSD

Front View

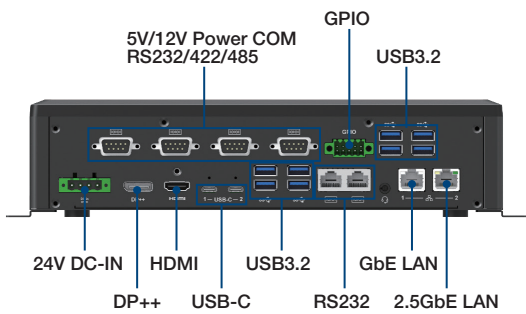


Rear View

I/O Type A



I/O Type A



Optional Accessories

Product	P/N	Description
Peripheral	UBX-250P-W00E	WiFi6/BT installation kit
Power Cord	1702002600	Power Cord UL 3P 10A 125V 183cm
	1700018705	Power Cord EU 3P 10A 250V 183cm
	1700000596-11	Power Cord CCC 3P 10A 250V 183cm
	1700001714	Power Cord BSMI 3P 7A 125V 183cm
	1700032693-11	Power Cord BSI 3P 10A 250V 180cm (UK)
	1700000237	Power Cord PSE 3P 12A 125V 183cm
Operating System		Img WIN10 LTSC 2021-ELE UBX-210K V1.00 7MUI x64
		Img WIN10 LTSC 2021-VLE UBX-210K V1.00 7MUI x64
		WIN11 LTSC_24H2_ELE UBX-110/210K(N) V1.00 7MUI
		WIN11 LTSC_24H2_VLE UBX-110/210K(I3) V1.00 7MUI
		Ubuntu 24.04 V1.0.1