

## INDUSTRIAL BOX COMPUTER



Ultra-Compact IIoT Gateway Edge Computing System  
based on High performance Intel's Technology



Intel CPU Core i5  
Powerful Fanless System  
Useful I/O interfaces  
High Reliability  
Wall and Desktop Mount  
Windows 11, Windows 10 or Linux available

Model	ROMA	
Operating System	Microsoft Windows 11 Professional	Windows 10 Professional *
		Windows 10/11 IoT Enterprise ***
Computing Platform	Linux Ubuntu LTS	Fedora Workstation, openSUSE Leap ***
	Intel Core i5-8265U	4 Cores, 8 Threads, up to 3.90GHz
	Intel Core i5-10210U *	4 Cores, 8 Threads, up to 4.20GHz
System Memory	8GB	up to 32GB expandable
Storage	128GB SSD	mSATA or 2.5" SSD expandable
Graphic	Intel UHD Graphics for 8th Gen. Processors	4K support, Dual Display support
Ethernet	Gigabit Ethernet 1000Mbit/s	
Bluetooth *	Bluetooth 4.2 wireless technology	Bluetooth 5.0 ***
Wireless	IEEE 802.11a/b/g/n/ac compatible	2.4GHz (optional dual band 2.4/5.0GHz ***)
Cellular network *	4G LTE	5G ***
Audio	Realtek ACL High Definition Audio	
Keyboard	Power button	Turn on automatically by BIOS *
Interfaces	USB 2.0/3.0	x6 Type-A
	RJ45 ethernet port	x2
	DB9 serial RS-232	x4 (optional RS-422/485 *)
	HDMI	x1
	VGA	x1
	SIM Card Slot	x1
	Line Out, 3.5mm jack	x1
	DC In power jack	x1
Expansion Slots *	Mini PCI-E	x1
Security	Trusted Platform Module (TPM) 2.0	
Power	12-36VDC	wide voltage
	AC/DC Power Adapter	Input: 100-240VAC, 50/60Hz, Output: 12VDC, 4A
Cooling System	Fanless design - No fan. No noise.	
Construction	Aluminum alloy and plate sheet	
Mounting	WALL mount, Desktop	
Dimensions	Width 239.5mm, Height 148.5mm, Depth 43mm	
Weight	approx.1200g	
Environment **	Dust Resistance	IP4x
	Water Resistance	IPx0
	Operating Temperature	0 °C to 50 °C
	Humidity	0% to 90% relative humidity, non-condensing
	Vibration & Shock	5-500Hz, 1 hr/axis
Regulatory	CE, CCC, FCC, WEEE, RoHS	
Ordering Code	ROMA-BOX, 8GB RAM, 128GB SSD, OS Windows	
	ROMA-BOX-L, 8GB RAM, 128GB SSD, OS Ubuntu	
Included in the box	Power Adapter, Cables, Quick User Guide, Warranty document	

\* Optional

\*\* Tested by an independent third-party lab following CE, FCC, IEC 60068 and IEC 60529.

\*\*\* Non-Standard Part, assembly by request. A minimum order quantity (MOQ) is required.

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