

Industrial Embedded Box PC

MBOX-B5500-Series



Product Features:

1. Industrial-Grade Embedded Fanless Mini PC
2. Intel Celeron and Core 4/6/7/8/10/11/12/13th-i3 / i5 / i7 CPU
3. 2*LAN, 8*USB, 6*COM, 1*HDMI, 1*VGA
4. Mini PCIE or M.2 Expansion Slots, Support 4G and WIFI Module
5. -20°C~60°C Temperature Can Keep 24/7 Work Stably
6. DC 9-36V Power Input with Overvoltage Protection

Motherboard Technical Specifications

Available Models	MBOX-B5500-J1900, MBOX-B5500-i3-4010U, MBOX-B5500-i5-4260U, MBOX-B5500-i7-4650U, MBOX-B5500-i3-7100U, MBOX-B5500-i3-10110U, MBOX-B5500-i5-6200U, MBOX-B5500-i5-10210U, MBOX-B5500-i7-7500U, MBOX-B5500-i7-10710U.
CPU	J1900
Memory	1*DDR III RAM Slot, Up to 8GB
Storage	1*MSATA SSD slot 1*SATA SSD slot
Display	1*HDMI: Resolution up to 4090*2160@24Hz 1*VGA: Resolution up to 1920*1200@60Hz
Expansion	2*Mini PCIE Slots support 4G and WIFI module
Ethernet	2*RTL8211F LAN chip (10 / 100 / 1000 Mbps, RJ-45)

USB	1*USB 3.0 (Type-A) 7*USB 2.0 (Type-A)
COM	5*RS-232 (DB9 type) 1*RS-232 / 485 (DB9 type)
Audio	1*SPK+1*MIC
MB-520-MITX-4010U	
CPU	i3-4010U / i5-4260U / i7-4650U
Memory	2*DDR III RAM Slots, Up to 16GB
Storage	1*MSATA SSD slot 1*SATA SSD slot
Display	1*HDMI: Resolution up to 4090*2160@24Hz 1*VGA: Resolution up to 1920*1200@60Hz
Expansion	2*Mini PCIE Slots support 4G and WIFI module
Ethernet	2*RTL8211F LAN chip (10 / 100 / 1000 Mbps, RJ-45)
USB	4*USB 3.0 (Type-A) 4*USB 2.0 (Type-A)

COM	5*RS-232 (DB9 type) 1*RS-232 / 485 (DB9 type)
Audio	1*SPK+1*MIC
MB-520-MITX-J6412	
CPU	J6412
Memory	2*DDR III RAM Slots, Up to 32GB
Storage	1*MSATA SSD slot 1*SATA SSD slot
Display	1*HDMI: Resolution up to 4090*2160@24Hz 1*VGA: Resolution up to 1920*1200@60Hz
Expansion	2*Mini PCIE Slots support 4G and WIFI module
Ethernet	2*RTL8211F LAN chip (10 / 100 / 1000 Mbps, RJ-45)
USB	4*USB 3.0 (Type-A) 4*USB 2.0 (Type-A)
COM	5*RS-232 (DB9 type) 1*RS-232 / 485 (DB9 type)
Audio	1*SPK+1*MIC

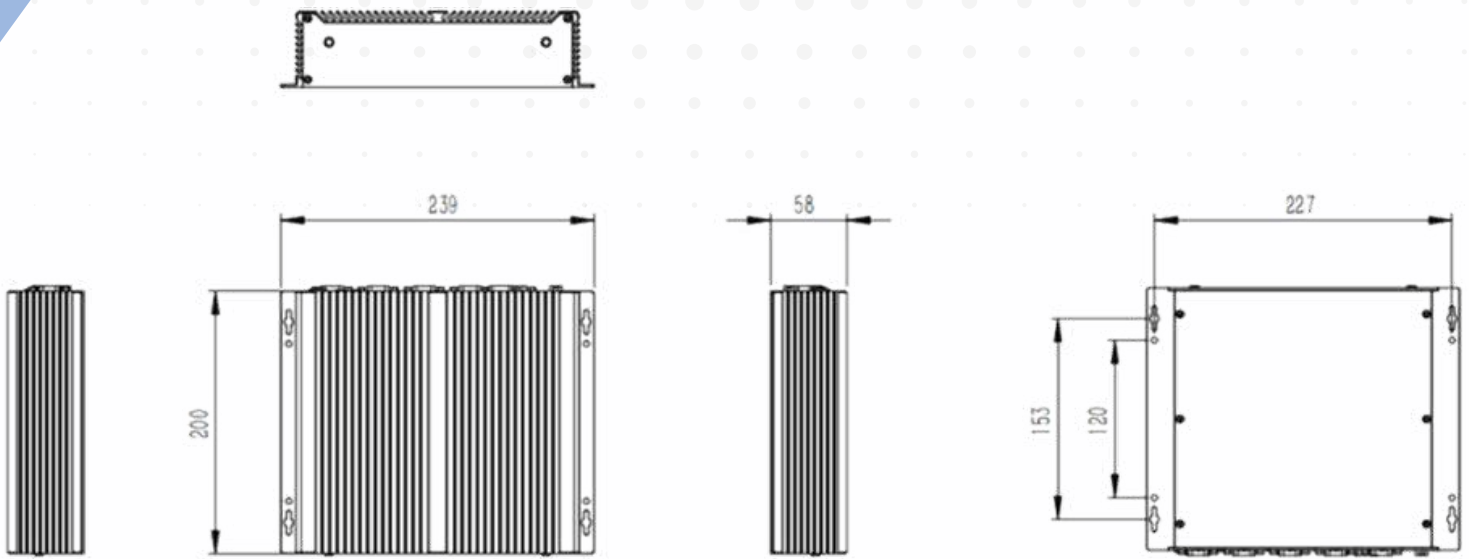
MB-520-MITX-7100U

CPU	i3: 7100U / 8130U / 10110U i5: 6200U / 7200U / 8250U / 8260U / 10210U / 10310U i7: 7500U / 8550U / 10610U / 10710U
Memory	2*DDR III RAM Slots, Up to 64GB
Storage	1*M.2 NVME SSD slot 1*SATA SSD slot
Display	1*HDMI: Resolution up to 4090*2160@24Hz 1*VGA: Resolution up to 1920*1200@60Hz
Expansion	1*Mini PCIE slot, support WIFI module 1*M.2 slot, support 4G / 5G module
Ethernet	2*RTL8211F LAN chip (10 / 100 / 1000 Mbps, RJ-45)
USB	4*USB 3.0 (Type-A) 4*USB 2.0 (Type-A)
COM	5*RS-232 (DB9 type) 1*RS-232 / 485 (DB9 type)
Audio	1*SPK+1*MIC

Device Technical Specifications

Power Input	DC 12V
	Support AT / ATX
	1*2.5mm circle type DC plug
Working Temperature	-20°C~60°C, Support 24/7 Working
Size	239mm*200mm*58mm
Structure	Fully Enclosed Aluminum Alloy Material
Heat dissipation	Fanless Design, Conduction Heat Dissipation
Installation	Desktop / Embedded / Wall-Mounted
System	Windows 7 / 10 / 11 and Linux

Dimension



Images



Applications



Traffic Management
System



Edge Gateway for
Smart City IoT



Industrial Automation
& Control



AGV / AMR
Controller (Robotics)