

Vehicle Control

AB-MC-IPC-M20-I3

ATOMBOTIX



Modular Design



Easy customization under same housing, fast scale-up & scale down, supports multiple chipset, multiple interfaces, etc.

Super-Efficient Heat Dissipation



With high-precision die-cast aluminum molding and Integrated copper-aluminum, boasts a compact and robust design.

Single-Sided Interface

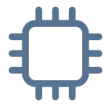


Features a streamlined single-sided I/O & flexible mounting options, enabling simpler installation in tight spaces.

Cable-Free Design



Ensures maximum stability with its cable-free, direct-connect I/O interface.



With Built-in and configurable DI/DO, CAN, RS-485/232, Audio, USB2.0/3.0, don't need external modules, clean wiring & Space friendly.

Ultra Powerful Compute

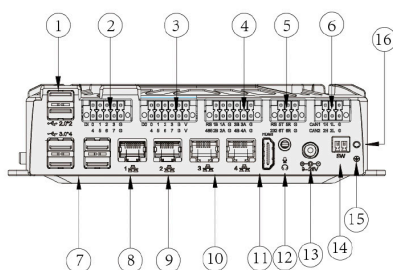


Houses Intel Core I5 processor, 8G DDR4 RAM, 256G SSD, as well as powerful GPU Intel Iris Xe Graphics for machine vision application.

Model	AB-MC-IPC-M20-I3
Operating System	Linux Ubuntu (Windows Optional, with separate License)
System Performance	Processor: Intel i5 1035G1
	Memory: DDR4 3200MHz 8GB
	Storage: 512G SSD
Graphic	Intel® UHD Graphics

Interface	Network :
	LAN1/2: Intel i211 10/100/1000Mbps
	LAN1/2/3/4: Intel i210 10/100/1000Mbps
	Support EtherCAT agreement and internet wake up.(Optional)
	COM: 6 x COM (optional 4 x RS232+2 x RS485; 2 x RS232+4 x RS485)
	USB: 4 x USB3.0, 2 x USB2.0
Voltage	Others: 1 x Mic-in, 1 x Line-out, 1 x HDMI
	DI/DO: 8 x DI, 8 x DO
Voltage	+12 - 28V DC(Supports Overvoltage and Reverse polarity Protection)
Power Consumption	Maximum power consumption 65W (i7 1165G7 CPU/8G Memory)
Cooling Method	Fanless, Die-cast aluminum integrated heat dissipation or copper tube heat dissipation (i5 and above)
Installation	Embedded Mounting/DIN Rail Mounting/Wall Mounting
Dimensions	173*52*121mm (length*width*height)
Environment	Electromagnetic Compatibility: IEC60068-2-64
	Working Environment: -20~50°C (optional SSD), 0 - 40°C (2.5" HDD)
	Storage Temperature: -30 - 70°C
	Vibration: with SSD: 3Grms EN60068-2-27:2009 Random vibration 5-500HZ, half an hour per axis
Net Weight	1.2 kg
Backup UPS	Optional (2500mAH Li-ion battery, can work continuously for 30 minutes after power off at 25°C ambient temperature)
Network Modem	Optional (Wifi/4G LTE/5G)

M20/S20/P20/A20



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|----------------|----------------|
| ① USB2.0*2 | ② 16路DIO输入 |
| ③ 16路DIO输出 | ④ COM1/2/3/4 |
| ⑤ COM5/6 | ⑥ CAN1/CAN2 |
| ⑦ USB3.0*4 | ⑧ LAN1 |
| ⑨ LAN2 | ⑩ VGA |
| ⑪ HDMI | ⑫ Mic+Line out |
| ⑬ +9~28V DC IN | ⑭ 远程开关/物理开关 |
| ⑮ GND | ⑯ UPS扩展槽(可选) |

