

Vehicle Control

AB-MC-IPC-M20-I5

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



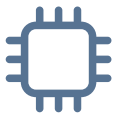
Features a streamlined single-sided I/O & flexible mounting options, enabling simpler installation in tight spaces

Cable-Free Design



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

Rich Integrated Interfaces



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-I5
Operating System	Linux Ubuntu (Windows Optional, with separate License)
System Performance	Processor: Intel® 11th Core™ i5 1135G7 2.4GHz, UP to 4.2GHz, 8M Cache, TDP12-28 W
	Memory: Supports DDR4 3200 MHz, up to 32 GB (single memory slot)
	Storage: 1×2.5" SATAIII HDD&SSD+M.2(2242 SATA)
Graphic	Intel Iris Xe Graphics, DirectX12.1, OpenGL 4.6, 1 x HDMI, resolution 4096*2304@60Hz

Interface	Network: LAN1/2: Intel i211 10/100/1000Mbps, supports Wake-on-LAN LAN1/2/3/4: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up.(Optional)
	COM1/2/3/4: RS485 COM5/6: RS232 COM7/8: CAN1/CAN2 (COM 1/2 - 3 kV optical isolation, configurable via BIOS for RS-232/485)
	USB: 4 x USB3.0, 2 x USB2.0
	Others: 1 x Mic, 1 x Audio, 1 x HDMI
	DI/DO: 8 x DI, 8 x DO
Voltage	+12 - 28V DC(Supports Overvoltage and Reverse polarity Protection)
Power Consumption	Max. power consumption 65W
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	2500mAH Li-ion battery, can work continuously for 30 minutes after power off at 25°C ambient temperature (Optional)
Network Modem	Wifi/4G LTE/5G (Optional)

