

Atomic-22 Industrial Computer

Palm-size System

Windows 10 IoT



ATOMIC-22 features a fan less design with the Intel Quad-Core Celeron N3350 (2.4 GHz) CPU. The ATOMIC-22 is designed to provide a cost-effective and versatile solution for a wide variety of industrial and commercial applications. Meet the requirements of your application with optional Windows 10 IoT Operating System.

Specifications

	ATOMIC-22
System	
CPU	Intel Celeron N3350 Processor *N4200 for option
Graphic	Intel® HD Graphic 500
Memory	1 x DDR3L SO-DIMM slot, up to 8GB
Outside IO Port	
Default I/O Ports	2 x USB 3.1 Gen.1 Type A 1 x USB2.0 Type A 2 x GbE LAN RJ-45 (Intel i210/i211) 1 x DP 1.2 port 1 x USB Type-C ALT mode
Storage Space	
Storage	1 x mSATA (SATA3) slot for SSD storage 1 x Micro SD Card slot
Expansion	
Expansion Slot	1 x full-size mPCIe (PCIe x 1+USB2.0) with 1x micro-SIM socket, and 1 x SMA connector for Wi-Fi/LTE/BT/GPS options via TB-591 2x COMs (DB9, RS-232/422/485, COM1 w/o power, COM2 with power 1A) via TB-591
Power	
Power Input	9~36V DC (3-pin Terminal Block) 1 x Power Button with LED light

Power Consumption	33W
Switch	
SMA	Optional for Wi-Fi/LTE/GPS/BT Antenna
Misc	
Misc	1 x TPM2.0 1 x Watchdog Timer (256 steps)
Mechanical	
Construction	Aluminum Alloy heat sink and plastic chassis
Mounting	Compound with DIN-rail and Wall-mount
Dimensions	140 x 120 x 42 mm (HxWxD)
Net Weight	1.5Kg
Environmental	
Operating Temperature	0~50°C/ WT1 -20~60°C for option
Storage Temperature	-40~85°C
Relative Humidity	10 to 90%, non-condensing
Storage Humidity	10 to 90% @ 40°C, non-condensing
Vibration	1Grms/5~500Hz operating 3Grms/5~500Hz non-operating
Shock	Half-Sine 30G 2ms operating Half-Sine 40G 10ms non-operating
Drop	90cm (1 corner, 3edges, 6 surfaces, Full packing)
Certification	CE / FCC
Operating System	Microsoft® Win10 IoT, Linux 4.20.2

