

IBOX-3046-C

Intel® 12th Generation Core™ i3/i5/i7
Processors



Product Features:

- ◇ Fully aluminum alloy structure with fanless design;
- ◇ Powered by Intel Alder Lake series processors;
- ◇ Support wide-voltage 9- 36 V,TPM 2.0 security encryption;
- ◇ 6×COM,COM1 Support isolation capability;
- ◇ 3×Intel network ports, LAN3-2.5 Gbps;
- ◇ Support desktop, wall-mounted, and VESA standards;
- ◇ Applicable Systems:



Specification Parameters

Model	IBOX-3046-C
Case Color	Titanium Gray (color customizable)
Case Material	Using an aluminum alloy housing
Processor	Intel Core i5-1235U processor (10 cores 12 threads base 1.3 GHz turbo 4.4 GHz) Intel Core i7-1255U processor (10 cores 12 threads base 1.7 GHz turbo 4.7 GHz).
Memory	1DDR5 4800 MHz SODIMM memory slot, up to 32 GB
BIOS	AMI EFI BIOS
Display Chip	Intel UHD Graphics
Display Port	1×HDMI high-definition display port
Front I/O	2×Intel network ports, 1×2.5G network, 4×USB 3.2, 1×HDMI . 6×COM ports (COM1-2 RS485,COM3-OM4RS232/485 ,COM5-6 RS232). 1×switch button, custom interface, 1×CMOS clear button, 1×audio dual-port interface, GPIO (4-in/4-out) 1×2*2-pin switch terminal, 1×DC power supply terminal.
Expansion Slot	2× M.2 2280 slots (1×NVMe & SATA , 1×NVMe only). 1× MINI PCIe slot (optional Wi-Fi/3G/4G support) and a SIM card slot Supports 1×M.2 E-Key slot Scalable Interface (not included in standard shipments): GPIO (8 inputs/8 outputs)
Network	2×Intel i210-AT 10/100/1000M network ports , 1× Intel i226-LM network port
Storage	2×M.2 2280 slots (1× NVMe & SATA protocols, 1×NVMe only), 1×2.5-inch hard drive bay.
Power Supply	Wide-voltage input DC 9 - 36 V, with reverse polarity protection for positive and negative terminals
Other Functions	TPM2.0: Secure encryption,Auto power on, Timing boot, Wake on LAN, PXE boot, Watchdog(level 0-255)
Work temperature	0°C to +50°C (commercial HDDs), -20°C to +60°C (industrial SSDs); surface air flow required.
Working Humidity	5% - 95% in a non-condensed state
Certificate	CE、 CCC、 FCC Class A、 RoHS
Dimension	280 * 143 * 40 mm

manufactured by Shenzhen Xinsaike Technology Development Co., Ltd.; supervised by Advantech Industrial Control Computer Technology (Shenzhen) Co., Ltd.
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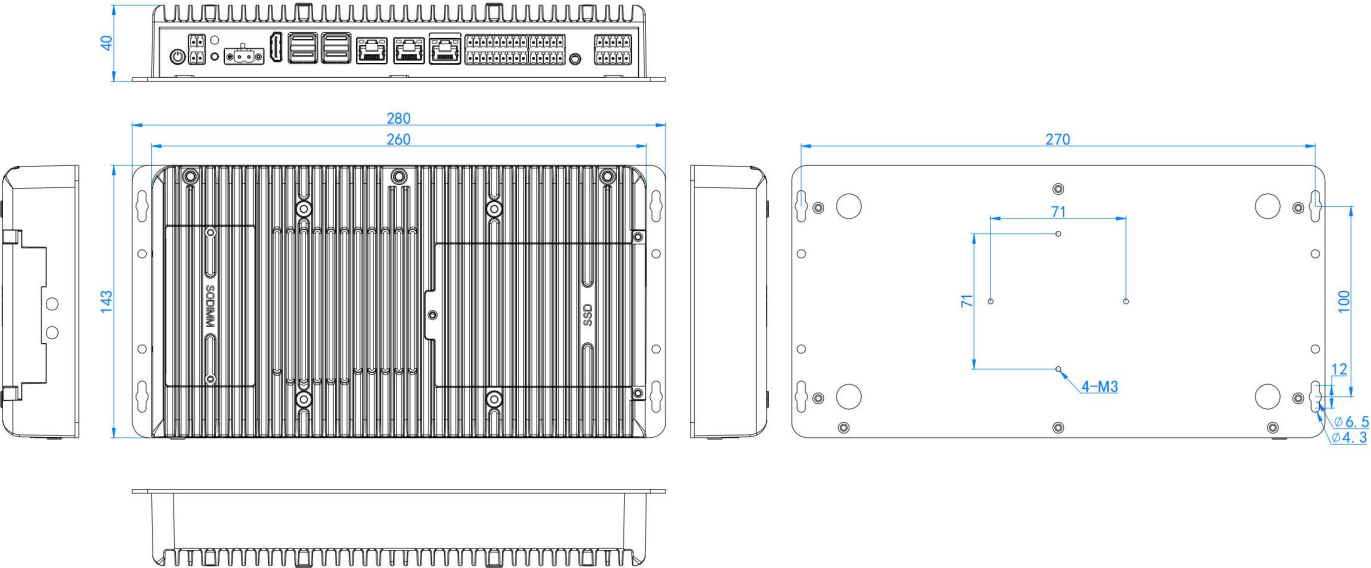
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Weight	1.45 kg
application	Industrial Automation, Healthcare, Data Acquisition, Motion Control, And Automotive Systems

IBOX-3046-C Drawing



packing list		
Name	Quantity	Specifications
Power Adapter	1	Optional: 12V 5A Recommended: 12V,7.5A
Power Cable	1	options UK,EU,CN,US,KR .

Optional Information			
Configuration 1	IBOX-3046-C	Intel I5 1235U	3×Lan , 4×USB
Configuration 2		Intel I7 1255U	3×Lan , 4×USB