

Key Features



- Dual Gigabit Ethernet ports, support Wake-on-LAN and PXE
- Supports HDMI, LVDS, and a maximum display resolution of 3840x2160
- Single RAM slot for the 7th Gen/J6412/ N97, supports up to 32GB
- Dual RAM slots for the 10th Gen/12th Gen/J6412, supports up to 64GB
- 6 COM ports, with RS232/RS485 optional for COM1/COM2
- 4 USB 3.0 ports, 2 USB 2.0 ports
- 8 GPIO ports (digital input and output)
- 1 manual power-on switch
- 1 CMOS Clear button (clears BIOS settings and restores to factory de faults)
- Supports Windows 10/11 and Linux

Specification

Processor	Intel® Core 7th Generation i3/i5/i7 Intel® Core 10th Generation i3/i5/i7 Intel® Core 12th Generation i3/i5/i7 Intel® Celeron J6412/Intel® Alder Lake_ N97
Memory	1*SODIMM memory slot, supports DDR3L/DDR3,maximum support 32GB 2*SODIMM memory slot, supports DDR4,dual-channel memory maximum 64GB support 2*SODIMM memory slot, supports DDR4,dual-channel memory maximum 64GB support 1*SODIMM memory slot,supports DDR4 maximum support 32GB
Storage	1 * M.2 2280 Key-M slot (supports SATA SSD and NVME SSD adaptive) 1*SATA (supports 2.5 -inch hard disk) 1 * M.2 2280 Key-M slot (supports SATA SSD and NVME SSD adaptive) 1*SATA (supports 2.5 -inch hard disk) 1 * M.2 2280 Key-M slot (supports SATA SSD, customizable NVME SSD) 1*SATA (supports 2.5 -inch hard disk) 1 * M.2 2280 Key-M slot (supports SATA SSD) 1*SATA (supports 2.5 -inch hard disk)
Chipset	Intel® SoC
Graphics	Integrated Intel® UHD Graphics Support HDMI, LVDS, maximum display resolution 3840x2160
Front I/O Interface	1*2PIN Phoenix terminal, supports 12V voltage input, optional 9-36V wide voltage input 1*button switch with light 1*HDMI 4*USB3.0 2*LAN (2* RTL8111 H Gigabit Ethernet ports, support network wake-up/PXE) 1*SIM card slot 2*COM (COM1/COM2 optional RS232/RS485)
Rear I/O Interface	2*WIFI antenna holes 2*USB2.0 1*audio two-in-one (audio output/microphone voice input) 4*COM (COM3-COM6 support RS232) 1 *CMOS Clear button (can clear BIOS settings and restore to factory default state) 8*GPIO (providing digital input and output) + SW (start button external interface)
Extensions	1 *Mini-PCIE slot, support 4G /5G module (optional) 1*M.2 2230 (WIFI/BT module)
Watchdog	255 levels of programmable seconds/minutes, supporting timeout interrupt or system reset
Operating System	Windows 10/Windows 11/Linux operating system
Operating Temp	10-c to 60 -c
Storage Temp	20-c to 75 -c
Relative Humidity	5%-95% relative humidity, non-condensing
Weight/Dimension	1.43kg
Install	Support wall-mounted/embedded/desktop installation
Certification	CE, FCC

Ordering Information

iBOX-804

Fanless Embedded PCs Intel® Core 7th/10th/12th Gen/J6412/N97 Processors w/o Expansion slots