

Key Features



- Intel® 15th Gen Core™ Ultra Processor (Arrow Lake-H)
- High-Performance Intel® Arc™ Graphics
- Integrated NPU for Dedicated AI Acceleration
- Fan-less and Rugged Design
- Operating Temperature: -25°C to 50°C
- Dual 9V/19V to 36V Wide-Range DC Power Input
- 3 x Intel® i226-IT LAN
- 2 x Intel® i210-AT LAN, Supports IEEE 802.3af for PoE SKU
- 8DIs/8DOs with sink/source isolation 36V for 8DIO SKU
- Supports Intel® In-Band ECC

Specification

Processor	Intel® Core™ Ultra 7 255H, 16C, 2.00GHz, 28W
	Intel® Core™ Ultra 5 225H, 14C, 1.70GHz, 28W
Memory	2 x DDR5 5600MHz SO-DIMM, up to 96GB (Support In Band ECC)
Storage	1 x Micro SD card slot (Support SD specification v3.0 UHS-I: SDR25/SDR50)
	1 x M.2 2280 Key M (PCIe Gen4x4)
Graphics	High-Performance Intel® Arc™ Graphics
Front I/O Interface	3 x Intel I226-IT (RJ45 connector)
	2 x Intel I210-AT for PoE SKU/5LAN SKU (RJ45 connector)
	2 x Intel® I210-AT (RJ45 connector), PoE output max.15.4W/ port, each port supports IEEE 802.3AF PoE. (For PoE SKU)
	3 x RS232/422/485
	3 x USB 3.2 Gen2x1
	1 x USB 2.0
	4DIs/4DOs, 9-pin D-sub connector, for all SKU 8DIs/8DOs with sink/source isolation 3KV, 2x10-pin connector, for 8DIO SKU, 1 x Line Out, 1 x Mic In
Extensions	1 x Nano SIM Card slot
	7 x SMA connector hole reserved, support for Basic/5G SKU
	5 x SMA connector hole reserved, support for PoE/5LAN/8DIO SKU 1 x M.2 3042/3052 Key B (PCIe Gen3x1/USB 3.2 mode)
	Support 4G LTE/5G module
	1 x M.2 2230/2260 Key E (CNVi / PCIe Gen3x1 / USB 2.0 mode) Support Wifi/BT module
Operating System	Windows 10/Windows 11/Linux operating system
Operating Temp	25°C~50°C (-13°F~122°F) (w/ airflow 0.5~0.8m/s)
Storage Temp	40°C~85°C (-40°F ~185°F)
Relative Humidity	~95% @ 40°C (non-condensing)
Weight/Dimension	For Basic/8DIO SKU : 55(W) x 170(H) x 134(D) mm
	For PoE/5LAN/5G SKU : 68(W) x 170(H) x 134(D) mm
Install	For Basic/8DIO SKU : Wall mount, VESA mount, DIN-Rail
	For PoE/5LAN/5G SKU : Wall mount, Din Rail
Certification	Vibration, Shock, Safety, EMC

Ordering Information

iBOX-704

Fanless Embedded PCs Intel® Core 15th Gen Ultra Processors w/o Expansion slots