



iBOX Ultra 100 Series – Fanless Box System with Onboard Intel® Core™ Ultra Processor

The iBOX Ultra 100 Series is fanless box PC equipped with an Intel® Meteor Lake-U/H Core™ Ultra processor. With modern power in a small and efficient form factor as well as extensive I/O, this system can be deployed where space is paramount. The iBOX Ultra 100 Series features quad-display support, making it excellent for signage and industrial applications.

SPECIFICATIONS

CPU	Intel® Core™ Ultra processors (Meteor Lake-U/H)
Memory Type	262-pin DDR5 5600MHz SO-DIMM
Memory Slots	2
Maximum Memory Supported	96GB
Chipset	MCP
Integrated Graphics	Intel® Graphics
Watchdog Timer	256 Segments, 0, 1, 2, ...255sec
Video	2 x HDMI 2.1 TMDS, 1 x DisplayPort 2.1 (via Thunderbolt 4), 1 x DisplayPort 1.4a (via USB 3.2 Gen2 x2 Type-C)
LAN Ports	1 x Intel® I226LM 2.5GbE vPro, 1 x Intel® I226V 2.5GbE
Serial ATA (SATA)	1 x SATA III
Storage	1 x M.2 M-Key 2242/2280 PCIe Gen4 x4, 1 x M.2 M-Key 2242 PCIe Gen4 x4

RAID	Intel® VMD RAID 0/1 **supported by identical interface (PCIe) PCIe interface: 2*M.2 Key M
TPM	Intel® PTT (Integrated TPM)
Extended Interface	1 x M.2 E-Key 2230 PCIe x1
Front I/O	1 x USB 3.2 Gen2 (Type-A), 1 x USB 3.2 Gen2 x2 (Type-C), 1 x USB4/Thunderbolt 4, 2 x USB 2.0, 1 x Audio (Headphone & Mic)
Rear I/O	2 x HDMI, 2 x LAN, 2 x USB 3.2 Gen2 (Type-A), 1 x RS-232/422/485, 1 x DC-Jack
Audio	Realtek ALC256 HD Audio
Power Requirement	12 ~ 24V DC Input Jack
Dimensions	6.76" x 4.31" x 1.97" (171.8mm x 109.45mm x 50.05mm)
Weight	1.6 Kg
Construction	Aluminum Housing
Mounting	VESA mount/Wall mount/Din-rail
Operating Temperature	-20 ~ 50°C (-4 ~ 122°F) with air flow 0.5~0.8 m/s (with extended temp. peripherals)
Storage Temperature	-40 ~ 85 °C (-40 ~ 185 °F)
Relative Humidity	5 ~ 90%
OS Software Supported	Windows 10 64-bit, Windows 11 64-bit
Certification	CE, FCC
Global P/N / SKU	1708615

Ordering Options

iBOX-125U (SKU# 1708615A): Fanless Box System with Intel® Core™ Ultra 5 Processor 125U iBOX-155U (SKU# 1708615B): Fanless Box System with Intel® Core™ Ultra 7 Processor 155U