

iBOX 1200 Series
iBOX-1265UE/ iBOX-1245UE/ iBOX-1215UE
Fanless Embedded BOX PC



KEY FEATURES

- Intel® 12th Gen (Alder Lake-P) Core™ Processors
- 2 x 260-pin SO-DIMM up to 64GB DDR4 3200 MHz
- 6 x USB 3.2 Gen2, 2 x USB 2.0, 1 x M.2 Key M, 1 x M.2 Key E, 1 x COM, 1 x SATA3
- 2 x Intel 2.5 Gigabit LAN
- Supports Quad display, 1 x HDMI 2.0b, 3 x DP 1.4a (2 from Type C)
- TPM 2.0 onboard IC
- 19V/90W Power Adapter
- 171.8 x 50.05 x 109.45 mm, Fanless Embedded BOX PC

SPECIFICATIONS

Processor System

| | |
|---------|--|
| CPU | iBOX-1265UE(i7-1265UE) iBOX-1245UE(i5-1245UE) iBOX-1215UE(i3-1215UE) |
| Chipset | MCP |
| BIOS | AMI SPI 256 Mbit |

Memory

| | |
|------------|----------------------------|
| Technology | Dual Channel DDR4 3200 MHz |
| Capacity | 64GB (32 GB per DIMM) |
| Socket | 2 x 260-pin SO-DIMM |

Graphics

| | |
|--------------|--|
| Controller | Intel® Iris® X ^e Graphics for i7/i5 CPU Intel® UHD Graphics for i3/Celeron CPU |
| HDMI | HDMI 2.0b Max resolution up to 4096x2160@60Hz |
| DisplayPort | DisplayPort 1.4a, DP++ Max resolution up to 4096x2160@60Hz |
| MultiDisplay | Quad-Display (Included 2 outputs from Type-C) |

Expansion Slot

| | |
|-----|---|
| M.2 | 1 x M.2 (Key E, 2230) with PCIe x1, USB 2.0 and CNVi for Wireless |
|-----|---|

Audio

| | |
|-----------|--|
| Interface | Realtek ALC233, High Definition Audio. |
|-----------|--|

Ethernet

| | |
|-------------------|--|
| Controller/ Speed | Intel® I225LM with 10/100/1000/2500 Mbps |
| Connector | 2 x RJ-45 |

Storage

| | |
|------|--|
| M.2 | 1 x M.2 (Key M, 2242/2260/2280) with PCIe Gen4 x4 for SSD *M.2 Key M 2280(Supported by bracket) |
| SATA | 1 x SATA3.0 (6.0 Gb/s) |

Front I/O

| | |
|-------|--|
| USB | 2 x USB 3.2 Gen2 (Type A), 2 x USB 2.0 2 x USB 3.2 Gen2 (Type-C, Supports DP1.4a display output) * USB4™ Compliance Test is pending for certification 2 x USB 2.0 |
| Audio | 1 (headphone & microphone jack) |

Rear I/O

| | |
|-------------|--|
| HDMI | 1 x HDMI 2.0b |
| DisplayPort | 1 x DP1.4a |
| Ethernet | 1 x 1 Gigabit LAN, 1 x 2.5 Gigabit LAN |
| USB | 2 x USB 3.2 Gen2 (Type-A) |
| DC Jack | 1 |
| COM | 1 x COM(RS-232) |

Watchdog Timer

| | |
|----------|----------------------------------|
| Output | From Super I/O to drag RESETCON# |
| Interval | 256 Segments, 0, 1, 2, ...255sec |

Power Requirements

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|-----------|---|
| Input PWR | 12V~19V DC-In Jack |
| Power On | AT/ATX Supported - AT : Directly PWR on as power input ready - ATX : Press button to PWR on after power input ready |

Environment

| | |
|--------------------|----------------|
| Operating Temp | 0°C ~ 40°C |
| Storage Temp | -40° C – 85° C |
| Operating Humidity | 5% ~ 90% |
| Storage Humidity | 5% ~ 90% |

Mechanical

| | |
|------------------------|---|
| Construction | Aluminum |
| Mounting | VESA mounting, Wall mounting, Din-rail (By request) |
| Dimensions (W x H x D) | 171.8 x 50.05 x 109.45 mm |
| Weight | Net Weight:1.6Kg |

Others

| | |
|----------------|--|
| OS Support | Windows 10/11 |
| TPM | TPM 2.0 onboard IC |
| Certifications | CE, FCC Class A |
| Packing List | 1 x 19V/90W Power Adapter 1 x Screw Package 1 x Wall mount kit 1 x Bracket for M.2 2280 support |