

iBOX 1100 Series
iBOX-1185G7E/ iBOX-1145G7E/ iBOX-1115G4E/ iBOX-6305E
Fanless Embedded BOX PC



KEY FEATURES

- Intel® 11th Gen (Tiger Lake-UP3) 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
- 1 x Intel 1 Gigabit LAN, 1 x Intel 2.5 Gigabit LAN
- Supports Quad display, 1 x HDMI 2.0a, 3 x DP 1.4 (2 from Type C)
- TPM 2.0 onboard IC
- Supports Intel® vPro, AMT (iBOX-1185G7E/iBOX-1145G7E)
- 19V/90W Power Adapter
- 171.8 x 50.05 x 109.45 mm, Fanless Embedded BOX PC

SPECIFICATIONS

Processor System

| | |
|---------|---|
| CPU | iBOX-1185G7E (I7-1185G7E, QC, Max Speed up to 4.4GHz) iBOX-1145G7E (I5-1145G7E, QC, Max Speed up to 4.1GHz) iBOX-1115G4E (I3-1115G4E, DC, Max Speed up to 3.9GHz) iBOX-6305E (Celeron 6305E, DC, 1.8GHz) |
| 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® Xe Graphics for i7/i5 CPU Intel® UHD Graphics for i3/Celeron CPU |
| HDMI | HDMI 2.0a Max resolution up to 4096x2160@60Hz |
| DisplayPort | DisplayPort 1.4, 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 | iBOX-1185G7E/ iBOX-1145G7E: LAN1: Intel® I219LM with 10/100/1000 Mbps, supports AMT/vPro LAN2: Intel® I225LM with 10/100/1000/2500 Mbps iBOX-1115G4E/ iBOX-6305E: LAN1: Intel® I219V with 10/100/1000 Mbps LAN2: 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 SATA3 and 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 DP1.4 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 2.0a |
| DisplayPort | 1 x DP1.4 |
| 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

| | |
|-----------|---|
| Input PWR | 1 x 19V/90W Power Adapter |
| 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 |
| 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 |
| Certifications | CE, FCC Class A |
| Packing List | 1 x 19V/90W Power Adapter 1 x Screw Package 1 x VESA mounting bracket 1 x Bracket for M.2 2280 support |

Assured Systems

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