



## 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
- 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)<br>iBOX-1145G7E (I5-1145G7E, QC, Max Speed up to 4.1GHz)<br>iBOX-1115G4E (I3-1115G4E, DC, Max Speed up to 3.9GHz)<br>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® X <sup>e</sup> Graphics for i7/i5 CPU<br>Intel® UHD Graphics for i3/Celeron CPU |
| HDMI         | HDMI 2.0a<br>Max resolution up to 4096x2160@60Hz   |
| DisplayPort  | DisplayPort 1.4, DP++<br>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<br>LAN1: Intel® I219LM with 10/100/1000 Mbps<br>LAN2: Intel® I225LM with 10/100/1000/2500 Mbps<br>iBOX-1115G4E/ iBOX-6305E:<br>LAN1: Intel® I219V with 10/100/1000 Mbps<br>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<br>*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<br>2 x USB 3.2 Gen2 (Type-C, Supports DP1.4 display output)<br>* USB4™ Compliance Test is pending for certification<br>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<br>- AT : Directly PWR on as power input ready<br>- 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<br>1 x Screw Package<br>1 x VESA mounting bracket<br>1 x Bracket for M.2 2280 support |