# GIGABYTE™

**HDMI™**
HIGH-DEFINITION MULTIMEDIA INTERFACE

intel CORE i3 inside

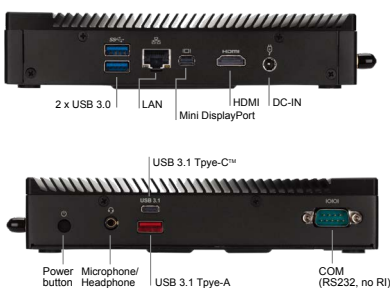# BRIX IoT Core Series
# EKi3A-7100

Perfect fit for any space, 24/7 operation in consumer/commercial usage with low power consumption.

## Product Feature

**Fanless**

- Ultra compact PC design (180 x 117 x 36 mm)
- Fanless design
- 2 x SO-DIMM DDR4 slots support 2133MHz, Max 32GB
- 1 x M.2 SSD(2280) slot
- Dual Band Wi-Fi & Bluetooth 4.2
- Intel Gigabit LAN
- USB 3.0, USB3.1 (1 x USB Type-C™)
- VESA Mounting Bracket (75 x 75 mm + 100 x 100 mm)
- mDP, HDMI, support up 4K@60P
- COM port available

## Connecting the Future

2 x USB 3.0   LAN   Mini DisplayPort   HDMI   DC-IN

USB 3.1 Tpye-C™

USB 3.1

Power button   Microphone/ Headphone   USB 3.1 Tpye-A   COM (RS232, no RI)

VESA Bracket Included

## SPEC

| | |
|---|---|
| Dimension | 36 x 117 x 180 mm |
| | 1.42" x 4.61" x 7.09" |
| Motherboard Size | 105 x 110 mm |
| CPU | Intel® Core™ i3-7100U Processor |
| | up to 2.40GHz, Dual core (TDP 15W) |
| Memory | 2 x SO-DIMM DDR4 slots (DDR4 1.2V) |
| | 2133 MHz |
| | Max. 32GB |
| LAN | Gigabit LAN (Intel i219LM) |
| Wifi Card | Intel® Dual Band Wireless-AC 3165 |
| Graphic | Intel® HD Graphics 620 |
| Audio | Realtek ALC255 |
| HDMI Resolution MAX | 4096 x 2160 @ 60Hz (HDMI 2.0 and HDCP 2.2) |
| mDP Resolution MAX | 4096 x 2304 Hz |
| Expansion Slots | 1 x M.2 slot (2280_storage) PCIe / SATA |
| | 1 x M.2 NGFF 2230 |
| | A-E key slot occupied by WiFi+BT card |
| Front I/O | 1 x Power Button |
| | 1 x Headphone / Microphone jack |
| | 1 x USB 3.1 type C |
| | 1 x USB 3.1 type A |
| | 1 x COM (RS232) |
| Rear I/O | 2 x USB3.0 |
| | 1 x RJ45 |
| | 1 x HDMI (2.0) |
| | 1 x Mini DisplayPort (1.2) |
| | 1 x DC-In |
| Side I/O | 1 x Kensington lock slot |
| | 2 x Antenna SMA connector (for WiFi) |
| Power Supply | DC 19/12 volt power adapter |
| | (Shipment 19V/65W) |
| VESA | Bracket included |
| Support OS | 75 x 75 mm and 100 x 100 mm |
| | WIN10 64bit |
| Environment | System Environment Operating Temperature: 0℃ to +40℃ |
| | System Storage Temperature: -20℃ to +60℃ |