



**Industrial Mini-ITX Motherboard supports mobile Intel® Skylake™ i7 / i5 / i3 H-series Processor, DDR4 SO-DIMM up to 32GB, Multi-Display, (2) Gigabit LAN and SATA RAID, 6V-30V power input**

### Features

- Supports Intel 6<sup>th</sup> Gen. Core i3/i5/i7 Processors
- Dual Gigabit Ethernet supported
- (3) SATA-600 with RAID 0, 1, 5, 10
- Watchdog & Hardware Monitor function
- HDMI/Display Port/DVI-I multiple outputs

### CPU

- Onboard 6<sup>th</sup> Generation Intel® Skylake™ i7 / i5 / i3 H-series Mobile Processor
- Package Type: FCBGA1140

### Chipset

- Intel® QM170

### System Memory

- (2) 260-pin DDR4 2133 SO-DIMM up to 32GB

### Display Interface

- Intel® HD Graphics 530
- (1) HDMI, (1) DVI-I and (1) DisplayPort
- 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply

### Ethernet

- (1) Intel® I210 Gigabit Ethernet Controller
- (1) Intel® I219-LM Gigabit LAN PHY

### Audio

- Built-in HD Audio Codec with Realtek ALC262



### I/O Interface

- (5) RS232 & (1) RS232/422/485 serial ports
- (6) USB 3.0 and (4) USB 2.0 ports
- (1) 8-bit digital I/O interface
- (3) SATA-600 support RAID 0/1/5/10
- (1) SIM Socket

### Onboard Expansion

- (1) PCIe x16
- (1) PCIe Mini card
- (1) Half-Size PCIe Mini card, optional support mSATA

### Environment Spec

- 0 ~ 60°C operation temperature
- Operation humidity under 10% ~ 95%

### Dimension

- 170mm x 170mm

### Ordering Information

|                             |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>MBC-6245A2GPR-6100E</b>  | Onboard Core i3-6100E, Display Port, CRT, DVI, HDMI, LVDS, LAN, HD Audio, PCIe Mini card, SMBUS, GPIO, SIM, LPC, mSATA |
| <b>MBC-6245A2GPR-6820EQ</b> | Onboard Core i7-6820EQ                                                                                                 |