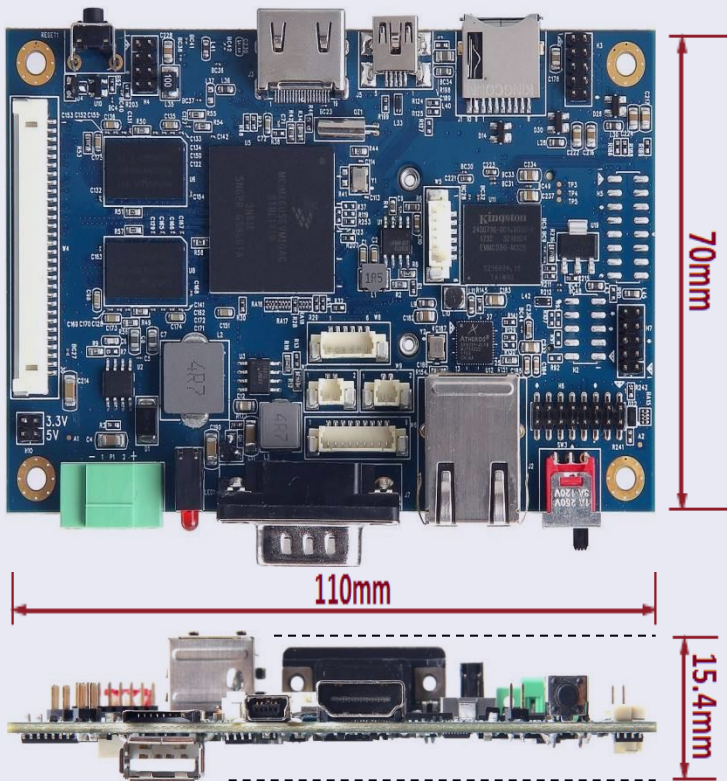


# 2.5" SBC

## MBE60 Series

Motherboard with NXP i.MX6 Cortex A9 Quad/Dual/DualLite Core 1GHz



### Ordering Information

Part number : **MBE60-abc-d e**

• **abc:** The type of Processor

"Q10" = 1.0GHz i.MX6 Quad Cortex-A9 SoC.

"D10" = 1.0GHz i.MX6 Dual Cortex-A9 SoC.

"U10" = 1.0GHz i.MX6 DualLite Cortex-A9 SoC.

• **d:** The DDR3 Memory size on board

"1" 1GB of DDR3.

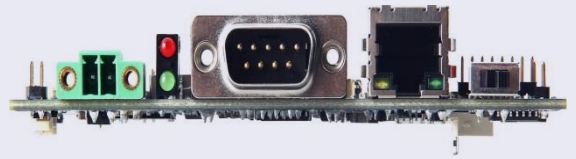
"2" 2GB of DDR3.

• **e:** The eMMC size on board

"4" 4GB of eMMC.

"8" 8GB of eMMC.

"F" 16GB of eMMC.



### Features

• **Processor:**

- 1.0GHz NXP i.MX6 Quad Cortex-A9 SoC (MBE60-Q10xx)
- 1.0GHz NXP i.MX6 Dual Cortex-A9 SoC (MBE60-D10xx)
- 1.0GHz NXP i.MX6 DualLite Cortex-A9 SoC (MBE60-U10xx)

• **System Memory:**

- 1 or 2GB DDR3-1066 SDRAM onboard

• **Storage:**

- 4GB/ 8GB or 16GB of eMMC Flash memory

• **External I/O (On board side):**

- 1 x 2-pole Phoenix DC jack
- 1 x Power LED & WLAN/WPAN/WWAN LED (if Wi-Fi has installed)
- 1 x Micro SD/eMMC boot select switch
- 1 x COM1 (supports 5-wire TX/RX/RTS/CTS) RS232 DTE mode/RS485/RS422
- 1 x Gigabit Ethernet port
- 1 x Reset button
- 1 x HDMI® 1.4 port
- 1 x Mini USB 2.0 type B port support OTG
- 1 x USB 2.0 type A port
- 1 x Micro SD card slot

• **Internal I/O**

- 1 x LVDS wafer
- 1 x LCD panel power selection header
- 1 x LCD Backlight control wafer
- 1 x PCAP touch panel wafer
- 1 x miniPCIe Slot
- 1 x UART2 wafer
- 1 x CAN/Console header
- 1 x USB 2.0 expansion header
- 1 x DIO extension header
- 1 x Audio in/out Header
- 1 x External RTC Battery wafer
- 1 x External Buzzer wafer

• **Power supply:**

- Adaptor DC-12V
- PD board for PoE IEEE 802.3at (option)

• **Operation Temperature:** -20°C to 70°C

• **Operating System:**

- Android 6.0, Linux 4.1.15
- Yocto Project2.0 with QT 5.4 (Weston Wayland UI)

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