

# ARM Architecture Embedded System



The product applies Freescale Cortex A9 IMX6 quad-core processor, and it is endowed with high integration, low power consumption, and sufficient ports and interfaces. The motherboard supports VGA + HDMI display, and independent multi-displays. 1xGigabit Ethernet port, on board USB WIFI, supports 5xCOM port, 7xUSB2.0, 1xUSB OTG port, supports 2xCAN, provides SIM card socket, and 3G/4G network is applicable. It also provides 1x Line out, 1x Line in ports, and supports 5W power amplifier.

The product has a stable and reliable industrial performance. It meets the requirements of multi industries, such as health care, industrial automation, robot, smart house, IoT, self-service terminal, information system, financial equipment, and road surveillance and so on.

## BIS-6380E20

### ARM Architecture Embedded System

Freescale Cortex A9 I.MX6Q Quad-core Processor



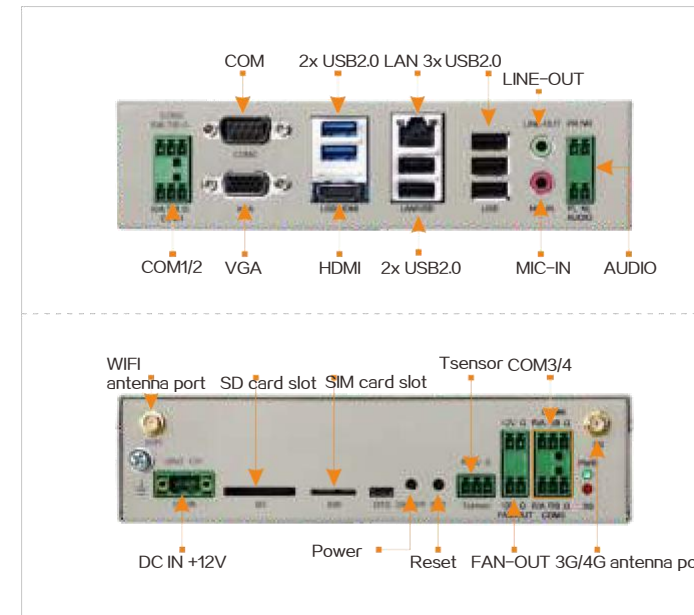
# Freescale ARM Cortex-A9 i.MX6Q Embedded System

### Product:

- Based on Freescale Cortex A9 IMX6Q quad-core processor
  - Supports 2GB DDR3 memory, 16GB flash, and SD, SATA storage
  - Supports 1x VGA, 1x HDMI, 1x LVDS varies display port, supports independent multi-view display
  - Provides 5x COM (1x DB9 debugging interface, 4x RS232/485), 7x USB2.0, 1x USB OTG, 1x LAN, on board USB WiFi, 2x CAN, 1x Line out, 1x Line in, supports 5W power amplifier
  - 1x SIM card socket, supports 3G/4G network
  - Applies Android/LINUX open OS, stable and easy to maintain

### Specification:

Model	BIS-6380E20
Color	White
Dimension	180mm × 123mm × 45mm (WxDxH)
Material	High quality carbon high-tensile structural steel chassis
Motherboard	EMB-7502
Processor	Cortex™-A9 i.MX 6Q quad-core processor
Memory	On board 2GB DDR3
Graphic Controller	Integrated CPU
Storage	On board 16GB flash, provides 1x SD card slot, 1x SATA (Optional)
I/O port	1x VGA, 1x HDMI, 1x LVDS, 5x COM (1x DB9 debugging port, 4x RS232/485), 7x USB2.0, 1x USB OTG, 2x CAN, 1x Line out, 1x Line in, supports 5W power amplifier, 1x SIM card socket, 3G/4G network applicable
Cooling System	Fanless
Power Supply	Single power supply+12V DC
Installation	Desktop or wall mounting
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-40°C ~ 80°C
Relative Humidity	5% ~ 95% RH, non-condensing
Operating Vibration	0.5g rms/5~500Hz/random while operating
EMC	CE/FCC Class B
MTBF	≥ 60,000 hours
OS	Android/Ubuntu/Linux+QT



### Dimension:

