



Features

- With NXP Cortex™-A9, i.MX 6Dual 1GHz processor
- Supports 1GB DDR3, 4GB eMMC & SD socket
- Supports embedded I/O for COM, GPIO, USB, USB-OTG, Ethernet
- Supports M.2 Key-E (2230) & Mini PCI-E w/ SIM socket for wireless connectivity
- Ruggedized and fanless design



System

System Board	IBR117 3.5-inch SBC
CPU Type	NXP Cortex™-A9 i.MX 6Dual 1GHz processor
Memory	1GB DDR3 on board
Storage	4GB eMMC on board
Construction	Steel
Color	TBD
Video Codec	Encoder: MPEG-4 SP, H.264 BP, H.263, MJPEG BP Decoder: MPEG-4 ASP, H.264 HP, MPEG-2 MP, MJPEG BP
LAN	10/100/1000 Mbps
RTC	IDT 1337AGDVG18
Watchdog	256 Levels, 0~128 Secs
Front I/O	1x Mini-USB OTG 1x RS232 /422/485 (DB9 coconnector) 1x HDMI Type-A 1x GbE (RJ45 connector) 2x USB 2.0 Type-A 1x 12V DC in (DC-jack) 1x Reset button for power on/off
Rear I/O	2x RS232 (DB9 connector) 1x GPIO (DB9 connector) 2x Antenna hole (RP SMA jack)
Side I/O	1x SD socket (UHS-I SDR-104, 104MB/s max.)
Expansion Slots	1x M.2 Key-E (2230) w/ USB, SDIO, UART, PCI-E 1x Mini PCI-E (USB only) w/ SIM Socket
Indicator	3x Green LEDs (1x power , 1x wireless status, 1x programable)
Dimensions (WxDxH)	172mm x 162mm x 36 mm (6.78" x 6.38" x 1.42")
Mounting	VESA 75 / 100, DIN rail, wall mount

Operating Temperature	0°C~ 60°C (32°F ~ 140°F)
Relative Humidity	10%~90% (non-condensing)
Certification	CE/ FCC Class B
Operating System	Yocto Linux 2.0 (Kernel 4.1.15) / Android 6

Ordering Information

ISR201	ARM-based IOT Gateway, NXP Cortex™-A9, i.MX 6Dual 1GHz, 1GB DDR3, 4GB eMMC, HDMI, RS-234/422/285, USB2.0, M.2 Key-E(2230) & Mini PCI-E w/ SIM socket
Cable	USB-81, USB OTG
RF module	ENL-B4356M21, Wifi + BT (M.2 card Type 2230) UC20G, Cellular UMTS/HSPA+, (Mini PCI-E)
Power Adapter	FSP036
VESA Mounting Kit	VESA 75/100
DIN RAIL Kit	DINRAIL V-A1