

ISR101

IoT Gateway

Ruggedized Embedded System with
NXP ARM[®] Cortex-A9 i.MX 6Dual-Lite 1GHz Processor



Features

- NXP Cortex™-A9, i.MX 6Dual-Lite 1GHz Processor
- 1GB DDR3, 4GB eMMC, Micro SD socket for expansion
- Embedded I/O for COM, GPIO, USB, USB-OTG, Ethernet
- M.2 Key-E (2230) for 4G/LTE connectivity
- Ruggedized and fanless design

System

System Board	IBR115 2.5-inch SBC
Processor	NXP Cortex™-A9 i.MX 6Dual-Lite, 1GHz
System Memory	1GB DDR3 on board
Storage	4GB eMMC on board (optional 8/16/32/64 GB)
Construction	SGCC
Color	Black
Display	1x HDMI 1.4 (FHD)
Network	1x RJ45 GbE LAN
Watchdog	256 Levels, 0~128 secs
Front I/O	1x HDMI Type-A, up to FHD 1x USB 2.0 Type-A 1x RJ45 GbE LAN 1x RS232/422/485 (DB9 connector) 1x Mini-USB OTG
Rear I/O	1x USB 2.0 Type-A 8x GPIO
Side I/O	1x Reset button 1x 12V DC-in Jack 1x Micro SD socket (UHS-I SDR-104, 104MB/s max.) 1x Antenna hole (RP SMA Jack)
Expansion Slots	1x M.2 Key-E (2230) w/ USB, SDIO, UART, PCI-E
Fanless	Yes
Dimensions (WxDxH)	122mm x 102mm x 36 mm (4.81" x 4.02" x 1.42")
Mounting	VESA 75 / 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 v2.1 (Kernel 4.1.15) Android 6.0.1 (Kernel 3.14.52)

Ordering Information

ISR101	ARM-based IOT Gateway, NXP Cortex™-A9, i.MX 6Dual-Lite 1GHz, 1GB DDR3, 4GB eMMC, HDMI, RS-232/422/485, USB2.0, M.2 Key-E (2230)
RF modules	WNFT-234ACN: WiFi/BT M.2 module
FSP060-DIBAN2	Power adaptor