ISR301

IoT Gateway
Ruggedized Embedded System with
NXP ARM® Cortex-A53 i.MX 8M Quad 1.3GHz Processor



Features

- NXP Cortex™-A53, i.MX 8M Quad 1.3GHz Industrial Grade
- 3GB LPDDR4, 16GB eMMC & SD socket for expansion
- Embedded I/O for COM, GPIO, USB, HDMI, Ethernet
- Supports M.2 Key-E (2230) and Mini PCI-E with SIM socket for Wireless/4G/LTE connectivity
- Ruggedized and Fanless Design

Specifications

System Board	IBR210-Q316I 3.5-inch SBC
Processor	NXP Cortex™-A53 i.MX 8M Quad, 1.3GHz
System Memory	3GB LPDDR4 on board
Storage	16GB eMMC on board (Default)
Construction	SGCC
Color	Black
Display	1x HDMI 2.0a, supports up to 4K resolution
Network	1x RJ45 GbE LAN
Watchdog	256 Levels, 0~128 Secs
Front I/O	1x HDMI Type-A, up to 4K 2x USB 3.0 Type-A 1x RJ45 GbE LAN 1x RS232 /422/485 (DB9 connector) 1x Mini-USB OTG 1x 12~24V DC-in Jack 1x On/Off button
Rear I/O	2x RS232 (DB9 connector) 8x GPIO 2x Antenna hole (Reserved) 3x LED indicators
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 (PCI-E and USB) w/ SIM s ocket
Fanless	Yes
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	-10°C~ 60°C (14°F ~ 140°F)
Relative Humidity	10%~90% (non-condensing)
Certification	CE/ FCC Class B
Operating System	Yocto v2.5 Android 9

Ordering Information

ISR301-Q316I	ARM-based IOT Gateway, NXP Cortex™-A53, i.MX 8M Quad 1.3GHz, 3GB LPDDR4, 16GB eMMC, HDMI, RS-234/422/285, USB3.0, M.2 Key-E(2230) & Mini PCI-E w/ SIM socket

Dimensions

