



Features

- NXP i.MX 8M - ARM Cortex-A53 Quad processor
- 3GB LPDDR4, 16GB eMMC & SD socket for expansion
- Embedded I/O for COM, GPIO, USB, HDMI, Ethernet
- Supports M.2 E-Key (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 i.MX 8M - ARM Cortex-A53 Quad processor
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 seconds
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) 1x Mini-USB OTG 1x 12V~24V DC-in jack 1x On/Off button
Rear I/O	2x RS232 (DB9) 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 E-Key (2230) w/ USB, SDIO, UART, PCI-E 1x Mini PCI-E (PCI-E and USB) w/ SIM socket
Fanless	Yes
Dimensions (WxDxH)	172mm (W) x 162mm (D) x 36mm (H)
Mounting	VESA 75 / 100, DIN rail, wall mount
Operating Temperature	-10°C~ +60°C (14°F ~ 140°F)
Relative Humidity	10%~90% (non-condensing)
OS Support	Yocto v2.5 Android 9 Ubuntu 18.04 evaluation Other OS (by request)
Certification	CE/ FCC Class-B

Ordering Information

ISR301-Q316I

ARM-based IOT Gateway, NXP i.MX 8M - ARM Cortex-A53 Quad 1.3GHz processor, 3GB LPDDR4, 16GB eMMC, HDMI, RS-232/422/285, USB 3.0, M.2 E-Key (2230) & Mini PCI-E w/ SIM socket

Dimensions

