



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 Mainboard	IBR210-Q316I 3.5-inch SBC
Processor	NXP i.MX 8M - ARM Cortex-A53 Quad 1.3GHz
Chipset	Integrated
System Memory	3GB LPDDR4 on board
Graphics	GC7000Lite OpenGL ES 1.1, 2.0, 3.0, 3.1, Open CL 1.2, and Vulkan
LAN	1x RJ45 GbE LAN
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
I/O	1x HDMI 2.0a, 4Kp60 2x USB 3.0 Type-A 1x RS232 /422/485 (DB9 connector) 1x Mini-USB OTG 1x On/Off button 2x RS232 (DB9 connector) 8x GPIO 2x Antenna hole (reserved) 3x LED indicators
Auto Control and Monitoring	Watchdog Timer:256 Levels, 0~128 Secs
Power Requirement	12V~24V DC-in
Construction	SGCC
Weight	0.5kg (1.1lbs)
Chassis Color	Black
Storage	16GB eMMC on board (Default)
Power Supply	60W
Mounting	VESA 75 / 100, DIN rail, wall mount
Dimensions	172mm x 162mm x 36 mm (6.78" x 6.38" x 1.42")
Operating Temperature	-10°C~ 60°C (14°F ~ 140°F)
Storage Temperature	-40°C~ 80°C (-40°F~176°F)
Relative Humidity	10%~90% (non-condensing)
Vibration	N/A
Certification	CE/ FCC Class-B
OS Support	Yocto v2.5 Android 9 UBUNTU 18.04 evaluation Support for other OS available upon request

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, USB3.0, M.2 E-Key (2230) & Mini PCI-E w/ SIM socket

Dimensions

