



Features

- NXP i.MX 8M Plus - ARM Cortex-A53 Quad processor
- 3GB LPDDR4, 16GB eMMC & SD socket for expansion
- Embedded I/O, USB, HDMI, Ethernet
- Supports M.2 B-Key(3052) for 5G connectivity
- Ruggedized and fanless design

Specifications

System Board	IBR215-Q316I SBC
Processor	NXP i.MX 8M Plus - ARM Cortex-A53 Quad processor
System Memory	3GB LPDDR4 on board (optional 1/2/4GB)
Storage	16GB eMMC on board (up to 128GB)
Construction	SGCC
Color	Black
Display	HDMI 2.0a Edge connector
Network	2x RJ45 GbE LAN
Watchdog	256 levels, 0~128 seconds
Front I/O	1x HDMI 2.0a 2x USB 3.0 (Type-A) 2x RJ45 GbE 1x Mini-USB OTG
Rear I/O	4x Antenna hole (reserved)
Side I/O	1x on/off button 1x 12V~24V DC-in jack 1x SD socket (UHS-I SDR-104, 104MB/s max) 1x Boot select switches (boot from eMMC or SD)
Expansion slots	1x M.2 B-Key(3052) with SIM socket (for 5G module) 1x 12~24V DC IN Jack
Fanless	Yes
Dimensions (WxDxH)	119mm x 82mm x 36mm
Mounting	DIN rail, wall mount
Operating Temperature	-40°C~ 70°C (-40°F ~ 158°F)
Relative Humidity	0%~ 90% (non-condensing)
OS Support	Yocto v3.0 Android 11 Other OS (by request)

Ordering Information

ISR215-Q316I	ARM-based IOT Gateway, NXP i.MX 8M Plus - ARM Cortex-A53 Quad 1.6GHz processor, 3GB LPDDR4, 16GB eMMC
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Dimensions

