



Specifications

System Mainboard	IBR215-Q316I 2.5-inch SBC
Processor	NXP i.MX 8M Plus - ARM Cortex-A53 Quad 1.6GHz
Chipset	Integrated
System Memory	3GB LPDDR4 on board
Graphics	GC7000UL OpenGL ES 3.1, Vulkan Open CL™ 1.2 FP Vivante GC520L (2D)
LAN	2x RJ45 GbE LAN
Expansion Slots	1x M.2 B-Key (3052) w/ SIM socket (for 5G)
I/O	1x HDMI 2.0a, 1080p60 2x USB 3.0 Type-A 1x Mini-USB OTG 1x On/Off button 1x SD socket (UHS-I SDR-104, 104MB/s max) 1x Boot select switches (boot from eMMC or SD) 1x 12V~24V DC IN Jack
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	DIN rail, wall mount
Dimensions	16GB eMMC on board (Up to 128GB)
Operating Temperature	-40°C~ 70°C (-40°F ~ 158°F)
Storage Temperature	-40°C~ 70°C (-40°F ~ 158°F)
Relative Humidity	10%~90% (non-condensing)
Vibration	N/A
Certification	CE/ FCC Class-B
OS Support	Yocto v3.0 Android 11 Support for other OS available upon request

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), 5G connectivity
- Ruggedized and fanless design

Ordering Information

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

