



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

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 (optional 1/2/4/8GB)
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)
Auto Control and Monitoring	Watchdog Timer:256 Levels, 0~128 Secs
Power Requirement	12V~24V DC-IN
Construction	SGCC
Weight	0.5 kg (1.1 lbs)
Chassis Color	Black
Storage	16GB eMMC on board (up to 128GB)
Power Supply	60W
Mounting	DIN rail, wall mount
Dimensions	119mm (W) x 82mm (D) x 36mm (H)
Operating Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Relative Humidity	0%~90% (non-condensing)
Vibration	Non-operating: 3 Hz to 500 Hz, 15 mins
Certification	CE/ FCC Class B/ LVD
OS Support	Yocto 5.0 Android 11 Debian 10 Support for other OS available upon request

Ordering Information

ISR215-Q316I

ARM-based, NXP i.MX 8M Plus - ARM Cortex-A53 Quad 1.6GHz, 3GB LPDDR4, 16GB eMMC, 60W Power Adaptor

Dimensions

