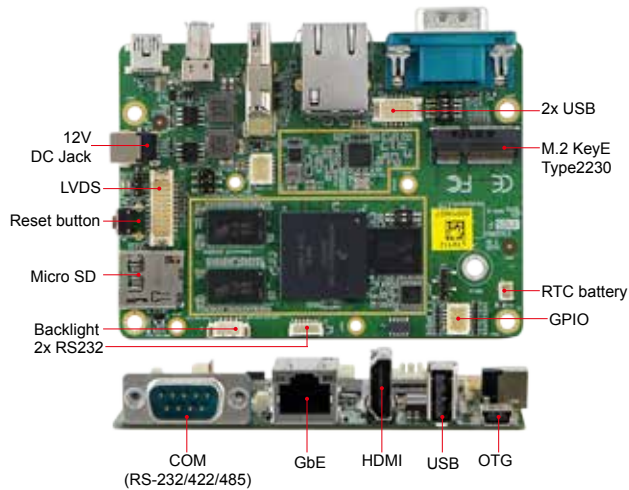


# IBR115 2.5" ARM-Based SBC with NXP Cortex™ A9 i.MX6 Dual-Lite 1GHz SoC



## System

Form Factor	2.5" SBC
CPU	NXP Cortex™ -A9 i.MX6 Dual-Lite 1GHz
System Memory	1GB DDR3 on board
Data Memory	4GB eMMC on board
Display	1x 18/24bits single LVDS, up to 1366 x 768 1x HDMI V1.4, up to 1080P30 at 60Hz
Video Codec	Encoder: MPEG-4 SP, H.264 BP, H.263, MJPEG BP Decoder: MPEG-4 ASP, H.264 HP, MPEG-2 MP, MJPEG BP
LAN	10/100/1000 Mbps
Touch	USB headers for CPT
Audio	2x 5 pin header, 1.0mm (1x line-in, 1x line-out)
RTC	AnalogTEK AT8565S
Watchdog	256 levels, 0~128 secs
Edge I/O	1x GbE (RJ45 connector) 1x USB Type-A, 1x USB OTG Mini-USB 1x HDMI 1x RS232 port by D-SUB 9 male connector 1x Micro SD socket (UHS-I SDR-104, max.104MB/s) 1x Reset button for power on/off
Header, Expansion & LEDs	1x LVDS connector (Hirose DF13-20) 1x Backlight, 3.3V/1A, 5V/1A, 12V/1A (jumper selection) 1x 4 pin-wafer (for debug console port) 1x Audio pin Header (1x line-in /1x line-out) 2x 2-wire RS-232 (2x3 pin header, 1.0mm) 2x USB 2.0 (2x5 pin header 1.0mm) 1x M.2 Key-E (2230) w/ PCI-E, USB, SDIO, UART 8x GPIO (2x5 pin header 1.0mm) 2x Green LEDs (1x power on/off, 1x M.2 wireless status)
Dimensions	100mm x 72mm (4" x 2.8")
Power	12V DC-in by DC-jack

## Features

- NXP Cortex™-A9, i.MX6 Dual-Lite 1GHz,
- HDMI and single LVDS
- 1GB DDR3, 4GB eMMC and Micro SD socket for expansion
- Embedded I/O as COM, GPIO, USB, USB-OTG, audio and Ethernet
- M.2 Key-E (2230) for wireless connectivity
- OpenGL ES 2.0 for 3D BitBlit for 2D and OPENVG1.1



Operating Temperature	0°C~ 60°C (32°F ~ 140°F) / -40°C ~85°C (-40°F ~ 185°F)
Devices	WiFi/BT module (option)
Software Support	Android / Yocto Linux
Relative Humidity	10%~90% (non-condensing)
Certification	CE/ FCC Class B

## Ordering Information

IBR115	2.5" ARM-based SBC, NXP Cortex™ -A9, i.MX6 Dual-Lite 1GHz, 1GB DDR, 4GB eMMC, Single LVDS, HDMI, RS-234/422/285, USB, M.2 Key E(2230)
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