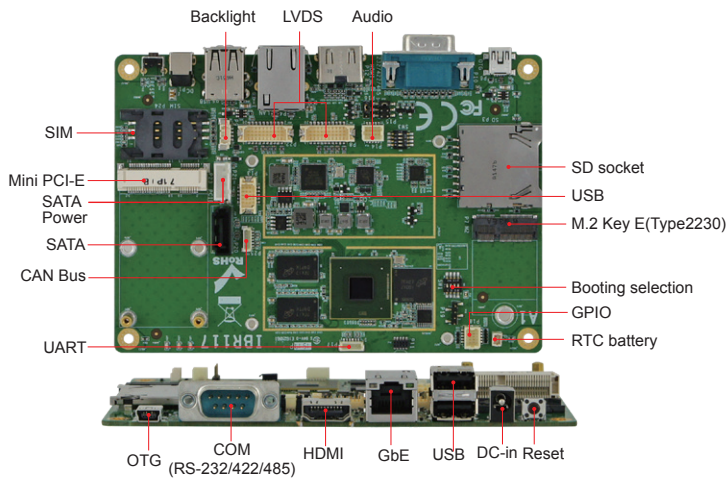


IBR117 3.5" ARM-Based SBC with NXP Cortex™ A9 i.MX6 Dual 1GHz SoC

NEW

Wide Temperature

Fanless



Features

- NXP Cortex™-A9, i.MX6 Dual 1GHz,
- HDMI and dual LVDS
- 1GB DDR3, 4GB eMMC and SD socket for expansion
- Embedded I/O as COM, GPIO, USB, USB-OTG, Audio and Ethernet
- M.2 Key-E (2230) and Mini PCI-E w/ SIM socket for wireless connectivity
- OpenGL ES 2.0 for 3D BitBlit for 2D and OpenVG1.1

System

Form Factor	3.5" SBC
CPU	NXP Cortex™-A9 i.MX6 Dual 1GHz,
System Memory	1GB DDR3 on board
Data Memory	4GB eMMC on board
Display	2x 18/24bits single LVDS / 1x dual LVDS, up to 1366 x 768 for 1ch, 1920 x 1080 for 2ch 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	2x5 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) 2x USB Type-A, 1x USB OTG Mini-USB 1x HDMI 1x RS232 port (D-SUB 9 male connector) 1x SD socket (UHS-I SDR-104, 104MB/s max) 1x Reset button for power on/off
Header, Expansion & LEDs	2x LVDS connector (Hirose DF13-20) 1x backlight, 3.3V/1A, 5V/1A, 12/1A (jumper selection) 1x 4 pin-wafer (for debug console port) 1x Audio pin header (1x line-in /1x line-out) 2x 2 wires UART (1x6 pin header, 1.0mm) 2x USB 2.0 (2x 5 pin header, 1.0mm) 1x M.2 Key-E (2230) w/ USB, SDIO, UART, PCI-E 1x Mini PCI-E (USB only) w/ SIM socket 3x Green LEDs(1x Power, 1x wireless status, 1x programmable) 2x CAN Bus via 2x3 pin header
Dimensions	146mm x 102mm (5.7" x 4")
Power	12V DC-in by DC-jack

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

Ordering Information

IBR117	3.5" ARM-based SBC, NXP Cortex™-A9, i.MX6 Dual 1GHz, 1GB DDR, 4GB eMMC, dual LVDS, HDMI, USB, RS-234/422/285, M.2 Key E(2230) and Mini PCI-E w/ SIM socket
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