



FEATURES

- NXP i.MX6 Processor With Long Life Cycle Support
- Up To Two Gigabit Ethernet Ports With 802.3af PoE Option
- Android, Debian Linux Or Yocto Embedded Linux
- On-Board Wi-Fi Module & Bluetooth 4.1 BLE
- RS-232, RS-422/485 & CAN Bus Port Options
- Dustproof Fanless Aluminum Enclosure

The BIS-2230 is a small form factor fanless embedded PC powered by a NXP i.MX6 application processor. The system supports up to two Gigabit Ethernet ports and a Power over Ethernet (PoE) option. The abundant I/Os and slim design of this fanless computer make it ideal for digital signage, kiosks, network security, IoT gateway and other industrial computer applications.

SPECIFICATIONS

SYSTEM

Processor	NXP i.MX6 1 GHz Dual Lite Option: NXP i.MX6 1 GHz Quad
Platform	ARM Cortex A9
Memory	1GB On-Board DDR3
OS	Android 6.0.1, Debian Linux Or Yocto Embedded Linux
Storage	On-Board NAND Flash (8GB Default) 1x Micro SD Slot

DISPLAY

Interface	1x Micro HDMI
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COMMUNICATIONS

Ethernet	2x Gigabit Ethernet, RJ45 Option: 1x 802.3af PoE Power Input Module
Wi-Fi	On-Board Wi-Fi 802.11 b/g/n Option: External Antenna Connector
Bluetooth	On-Board Bluetooth BLE 4.1

I/O INTERFACE

Audio	Internal Line Out 1x Mic-In 1x Headphone Speaker Out Headers
Ports	1x RS-232/RS-485/CAN 2x GPIO Via Terminal Block 2x USB 2.0 Type A 1x Mini-USB OTG 2x Internal USB 2.0 Headers

EXPANSION I/O

Expansion	1x 40-pin Internal Connector With PCIe 1x 2nd Ethernet, GPIO, Front Panel Control, PoE Power Input
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MECHANICAL

Cooling	Fanless
Watchdog Timer	Built-in
Enclosure Material	Aluminum
Enclosure Color	Black
Mounting	75mm x 75mm VESA Mount Option: Bracket For DIN-Rail Mount
Dimensions	170mm x 124mm x 39mm (6.7" x 4.9" x 1.54")

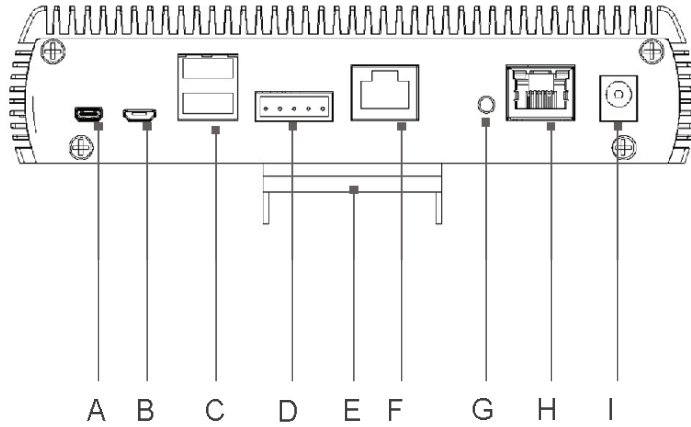
POWER

Input Voltage	5V DC Option: 9V - 36V 802.3af PoE (Dual NIC Version)
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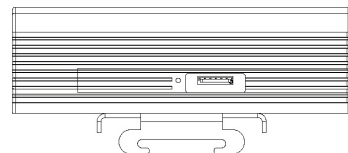
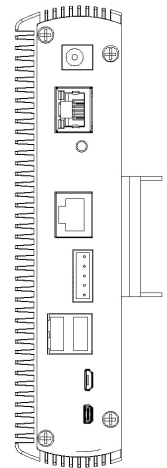
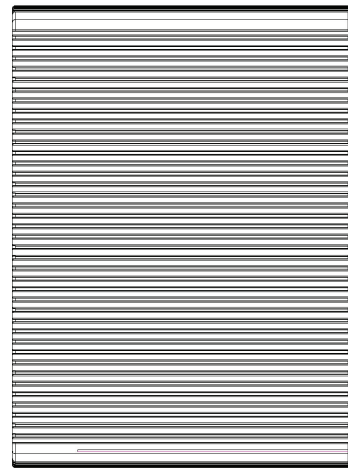
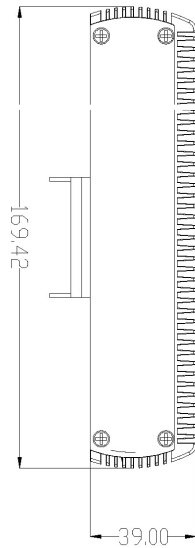
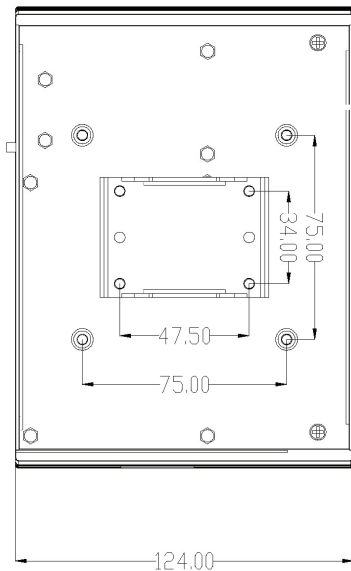
ENVIRONMENTAL

Protection	Front Panel IP65
Operating Temp	-20°C to 60°C (-28°F to 140°F)
Storage Temp	-40°C to 85°C (-40°F to 185°F)
Humidity	10% to 95% @ 40°C (Non-Condensing)

*Specifications are representative. Specific product technology may be different than indicated.



- A. Micro HDMI
- B. OTG
- C. 2x USB 2.0
- D. RS232/485/CAN/GPIO
- E. DIN-Rail Bracket
- F. Ethernet 1
- G. GPIO Button
- H. Ethernet 2
- I. DC Power Connector



*Dimensions in mm

ORDER OPTIONS

PART NUMBER	DESCRIPTION
BIS-2230-DLS	Fanless PC With i.MX6 DL Processor, Single GbE, 5V DC Power Input
BIS-2230-DLP	Fanless PC With i.MX6 DL Processor, Single GbE, PoE Power Input
BIS-2230-DLT	Fanless PC With i.MX6 DL Processor, Dual GbE, DC Power Input
BIS-2230-QPT	Fanless PC With i.MX6 Q Processor, Dual GbE, DC Power Input
CBL-2230-DIN	DIN-Rail Mount Bracket