



FEATURES

- NXP i.MX6 Application Processor with Long Life Cycle Support
- Support Up to Two Gigabit Ethernet Ports, with 802.3af PoE Option
- RS232, RS422/RS485 and CAN Bus Port Options
- On-board WiFi Module and Bluetooth 4.1 BLE
- Support Android 6.0.1, Debian Linux and Yocto Embedded Linux
- Slim Vent-hole Free Dustproof Fanless Aluminum Enclosure

The BIS-2230 is a small form factor fanless embedded PC based on INXP i.MX6 application processor. The system supports up to two Gigabit Ethernet ports and Power over Ethernet (PoE) option. The rich I/Os and slim design of this fanless computer fits perfectly for digital signage, kiosk, network security, IoT gateway and other industrial computer applications.

SPECIFICATIONS

SYSTEM

Processor	NXP i.MX6 1GHz Dual Lite or Quad-core
Platform	ARM Cortex A9
Memory	On-board 1GB DDR3
Storage	On-board iNAND Flash (8GB Default), 1 x Micro SD Slot
OS	Support Android 6.0.1, Debian Linux and Yocto Embedded Linux

I/O INTERFACE

Audio	Internal Line-out, MIC-in, Headphone, Speaker Out Headers
Display Interface	1 x Micro HDMI
Watchdog Timer	Built-in
I/O Ports	1 x RS232/RS485/CAN 2 x GPIO Via Terminal Block 2 x USB 2.0 Type A 1 x Mini-USB OTG 2 x Internal USB 2.0 Header
Expansion	1 x 40 pin Internal Connector with PCIe x1 for 2nd Ethernet, GPIO, Front Panel Control, PoE Power Input

POWER

Power Input	5V DC, PoE or 9V - 36V DC (Dual NIC Version)
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COMMUNICATIONS

Ethernet	2 x Gigabit Ethernet, RJ45, One Support 802.3af PoE Power Input (Optional PoE Module)
Wireless	On-board WiFi / BT Module 802.11 b/g/n + BLE 4.1 with External Antenna Connector Option

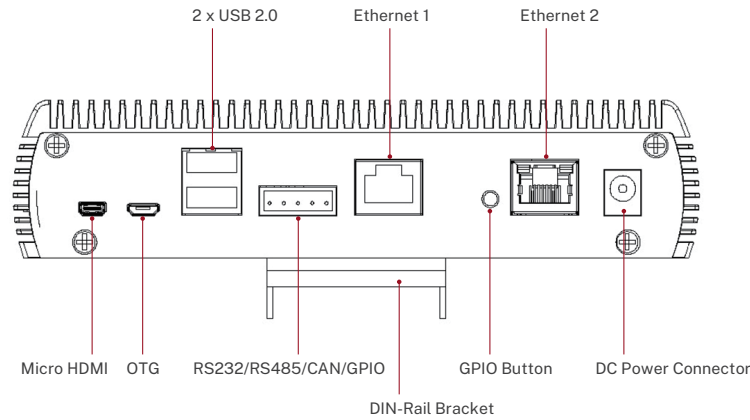
MECHANICAL

Enclosure Material	Aluminum
Enclosure Color	Black
Dimensions	170 x 124 x 39mm (6.7" x 4.9" x 1.54")
Mounting Option	Support 75 x 75mm VESA Mount, or DIN-Rail Mount with Optional Bracket
Cooling	Fanless

ENVIRONMENTAL

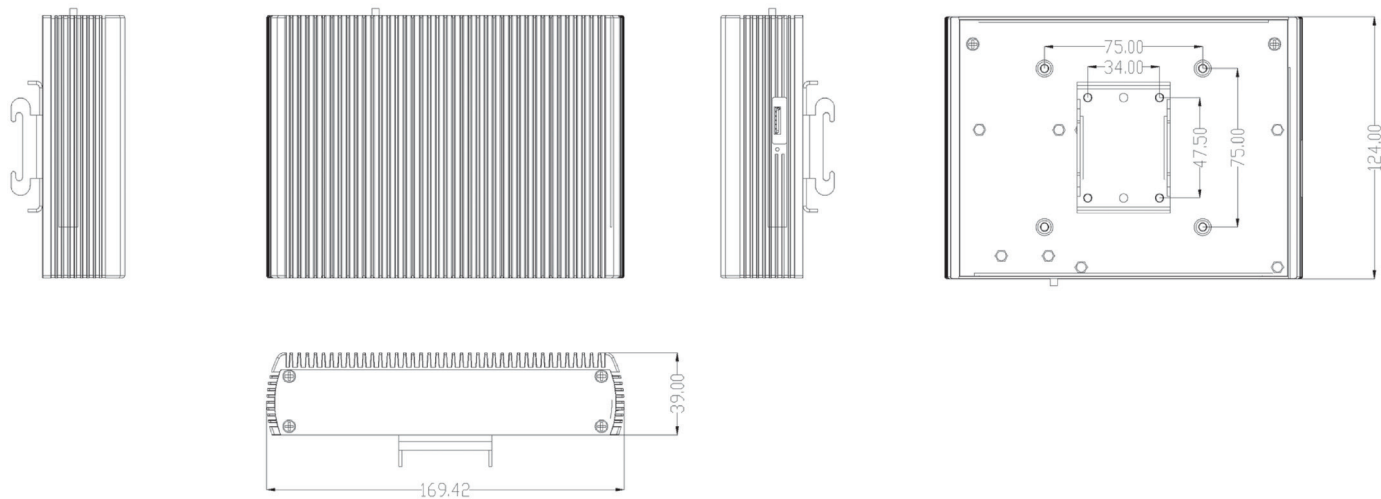
Temperature:	
- Operation	-20°C to 60°C (-28°F to 140°F)
- Storage	-40°C to 85°C (-40°F to 185°F)
Humidity	10% to 95% @ 40°C Non-condensing

SYSTEM LAYOUT



PRODUCT DIMENSIONS

Unit: mm



ORDER INFORMATION

Part No.	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