FA30SB3-210
ARM Box PC with NXP i.MX6 Dual Core

CE
FC

KEY FEATURES

- NXP i.MX6 Dual Core, 1GHz (Optional Quad Core), ARM Box PC
- Up to 2 GB LPDDR3
- 16GB eMMC
- 1 x RS-232/422/485, 1 x CANBus, 1 x USB A-Type, 1 x RJ45 (Optional PoE)
- Micro HDMI
- Optional DIDO

INTRODUCTION

Winmate ARM Box PC Series offers a compact, fanless computing solution powered by efficient ARM processors, ideal for industrial automation, monitoring, and IoT applications. Designed with rugged durability and a wide operating temperature range, it thrives in harsh environments like manufacturing, warehouses, and outdoor setups. Featuring versatile connectivity options, including HDMI, USB, Ethernet, and CANBus, it ensures seamless integration with other devices. With support for Android or Linux, the ARM Box PC delivers reliable performance, long-term durability, and flexible mounting options to meet diverse industrial needs.

SPECIFICATIONS

System Specification

Processor	NXP i.MX6 Dual Core, 1.0GHz	Memory	1GB 2GB (Optional)
Storage	eMMC: Onboard 16 GB eMMC: Onboard 32 GB (Optional)	Operating System	Linux Ubuntu 18.04 (Optional) Android 6.0 (Optional) Debian 7.0 (Optional) Linux 4.1.15 QT 5.5 (Optional)
BT	Support (Optional)		

Mechanical

Dimension	224 x 47 x 127 mm	Weight	1.0 kg
Mounting	Desk Mount Wall Mount	Enclosure	Aluminum Housing
Cooling System	Fanless design		

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-20°C to 60°C
Storage Temperature	-20°C to 60°C		

Certification

Certification	CE, FCC

IO Ports

Power Input	1 x 12V DC, 2-Pin Terminal Block	USB Port	1 x USB 2.0 (Type-A) 1 x USB OTG (Micro USB)

Serial Port	1 x RS232/422/485 (Default RS232) 2 x RS232/422/485 (Default RS232) (Optional)	SD Card Slot	1 x Micro SD card Slot
Video	1 x Micro HDMI	LAN	1 x LAN RJ45 Connector with PoE(PD, 802.3 at)
Indicator	1 x LED Indicator for power	DIDO	1 x 8pin(1x8) for DIO (3 x DI, 3 x DO, GND, 3.3V) (Optional)
CANBUS	1 x Mini PCIE		

Control

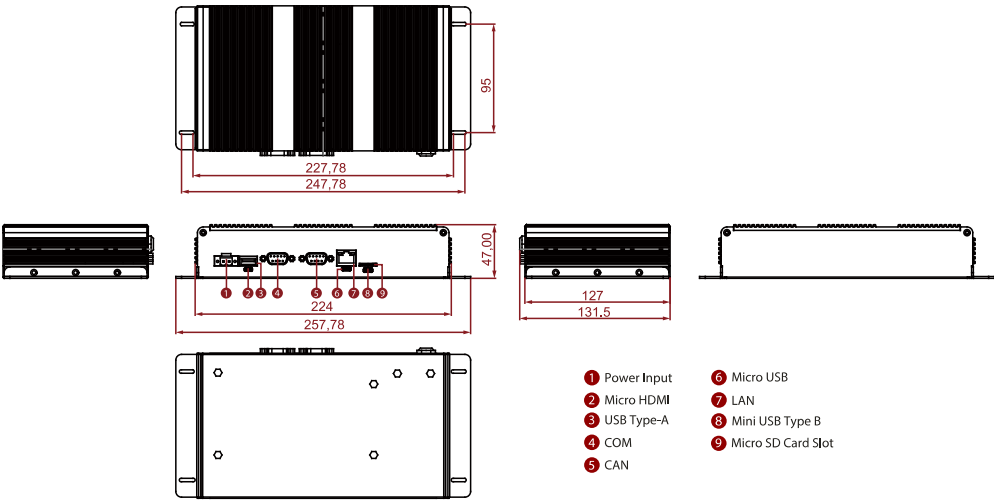| Button	1 x Power Button with LED Indicator (Optional)

Accessory

Accessory	100~240V AC to DC Adapter Power Cord Terminal Block to 2.5Ø Female Adapter Cable

Power

Power Rating	12V DC	Adapter	12V 50W
POE	PoE (PD): follows IEEE 802.3at (25 W)		

DIMENSIONS UNIT:MM

NOTE

1. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.

- ❶ Power Input
- ❷ Micro HDMI
- ❸ USB Type-A
- ❹ COM
- ❺ CAN
- ❻ Micro USB
- ❼ LAN
- ❽ Mini USB Type B
- ❾ Micro SD Card Slot

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