KIT Series
Open Frame ARM Based Panel PC

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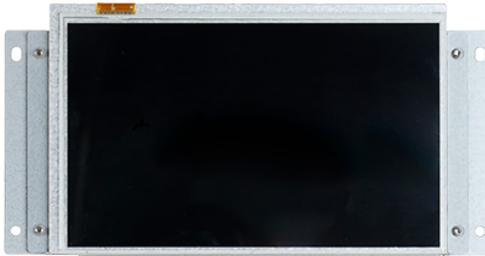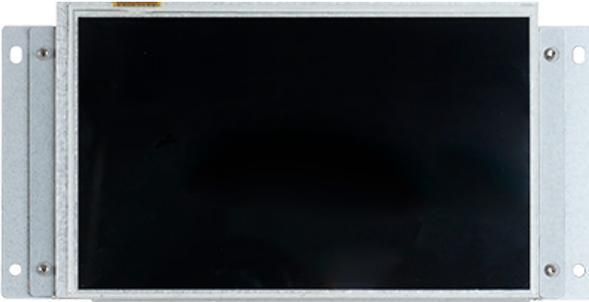
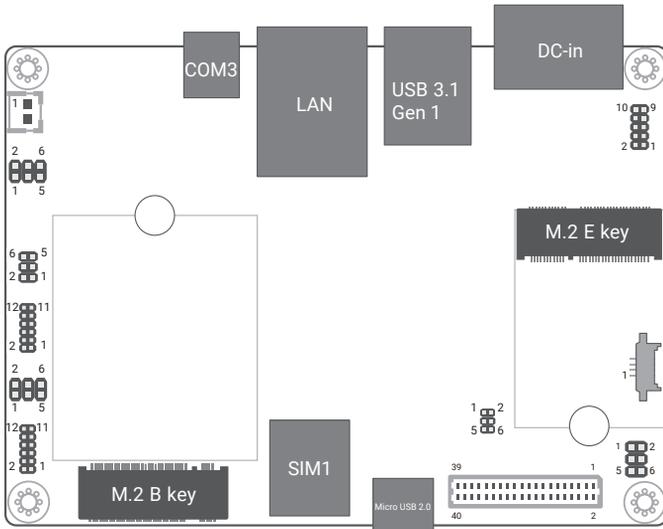## Package Contents

1 x Single Box
1 x 2-pin Terminal Block Connector
2 x M2 Screws
1 x Terminal block for RS485

⬤ Product Overview

Front View
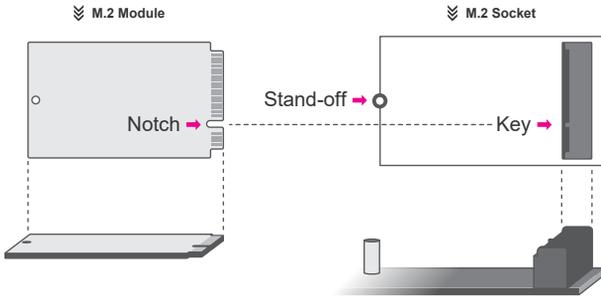

Board View

Installing an M.2 Card
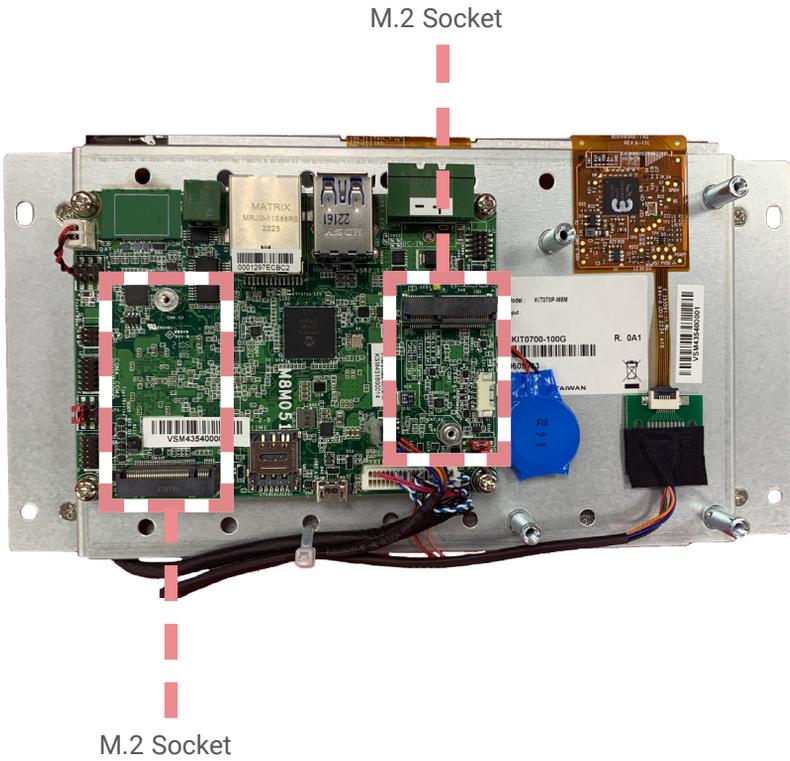
M.2 Socket

M.2 Socket

Please follow the steps below to install the card into the socket.

Step 1:
Insert the card into the socket at an angle while making sure the notch and key are perfectly aligned.

⌄ M.2 Module   **⌄ M.2 Socket**

Notch ➡   Stand-off ➡   Key ➡

Step 2:
Press the end of the card far from the socket down until against the stand-off.
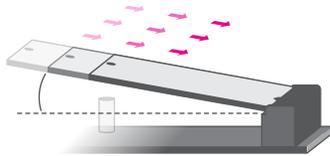
Step 3:
Screw tight the card onto the stand-off with a screw driver and a stand-off screw until the gap between the card and the stand-off closes up. The card should be lying parallel to the board when it's correctly mounted.

Board Layout
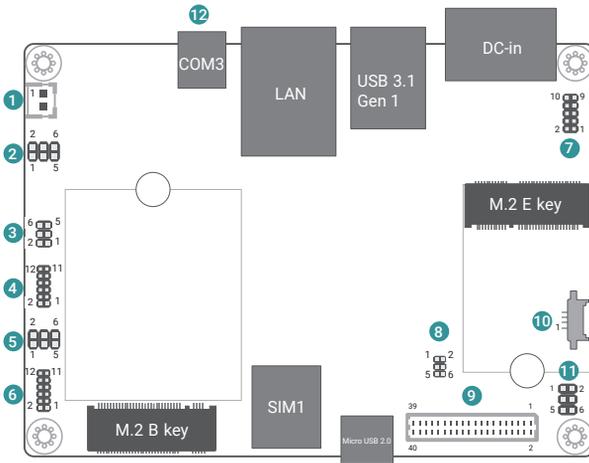
1. Battery
2. Audio
3. Front Panel
4. COM2/COM4
5. Boot-CFG
6. DIO
7. USB2_3/4
8. I²C
9. LVDS
10. Debug
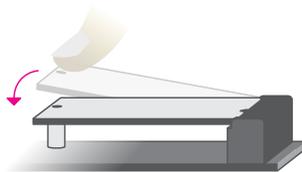11. LED Backlight
12. COM3

Jumper Settings

② Audio	JP4
Mic Input	1 ON
R-CH	4 ON
GND	2/3/5 ON
L-CH	6 ON

⑤ Boot-CFG	JP1
Internal Boot (default)	1-2 OFF
Serial Downloader	1-2 ON
EMMC@eSDHC (default)	5-6 OFF
uSD@eSDHC2	5-6 ON

⑪ LED Backlight	JP5
3.3V	1-2 ON
5V	1-3 ON
5V	4-6 ON
12V	5-6 ON

PIN Assignment

① ▶ Battery

Pin	Assignment	Pin	Assignment
1	+VBAT	2	GND

⑧ ▶ I²C

Pin	Assignment	Pin	Assignment
1	VDD_3v3/+VTP_3V3	2	GND
3	TP_SCL	4	TP_ALT#
5	TP_SDA	6	TP_RST#

③ ▶ Front Panel

Pin	Assignment	Pin	Assignment
1	ONOFF_BTN#	2	FP_LED_3.3V
3	GND	4	FP_PWM_3.3V
5	SYS_nRST	6	FP_RSV_BTN#

⑦ ▶ USB 2.0 Headers (3/4)

Pin	Assignment	Pin	Assignment
1	+5VUSBHDR	2	+5VUSBHDR
3	USBH_DN_HDR1	4	USBH_DN_HDR2
5	USBH_DP_HDR1	6	USBH_DP_HDR2
7	GND	8	GND
9	---	10	---

⑥ ▶ DIO

Pin	Assignment	Pin	Assignment
1	GND	2	PWM_OUT
3	GND	4	+5V_DIO
5	DIO0_C	6	DIO1_C
7	DIO2_C	8	DIO3_C
9	DIO4_C	10	DIO5_C
11	DIO6_C	12	DIO7_C

⑩ ▶ Debug

Pin	Assignment
1	VDD_3V3
2	DEBUG_UART1_RXD
3	DEBUG_UART1_TXD
4	GND

⑫ ▶ COM3

Pin	Assignment
1	DATA-_RS485
2	DATA+_RS485

9 ► LVDS

Pin	Assignment	Pin	Assignment
1	GND	2	GND
3	LVDS_A2-	4	LVDS_B3+
5	LVDS_A2+	6	LVDS_B3-
7	GND	8	GND
9	LVDS_A3-	10	LVDS_B2+
11	LVDS_A3+	12	LVDS_B2-
13	GND	14	GND
15	LVDS_A0-	16	LVDS_B1+
17	LVDS_A0+	18	LVDS_B1-
19	GND	20	GND
21	LVDS_A1-	22	LVDS_B0+
23	LVDS_A1+	24	LVDS_B0-
25	GND	26	GND
27	LVDS_A_CLK-	28	LVDS_B_CLK-
29	LVDS_A_CLK+	30	LVDS_B_CLK+
31	GND	32	GND
33	GND	34	GND
35	+VDD_Panel_3V3	36	+VDD_Panel_5V
37	+VDD_Panel_3V3	38	+VDD_Panel_5V
39	+VDD_Panel_3V3	40	+VDD_Panel_5V