E88A



Version 1.0

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ESD

(ESD, electrostatic sensitive devices) ч



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- ESD G
- ESD G

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1

1.1

E88A h RK3588 h LPDDR4/4X h EMMC Ђ
HDMI/DP h EDP/MIPI/LVDS Ђ 4/4 ן
Ђ 4 USB3.0 h 4 USB2.0 Ђ Android Linux ɢ
/ ɢ

1.2

	- E88A
	- RK3588 ARM® 64 h 2.6GHz
	- 6Tops AI h AI
	- ARM® Mali-T610 MP4 GPU
	- LPDDR4X h 4G/8G
	- 128GB eMMC 5.1 - 1 x M.2 2280 for SSD
	- 1 x 10/100/1000 Mbps RJ45/M12 - 4 x 10/100/1000Mbps RJ45/M12
WIFI/BT	- 1 x M.2 KEY E Ÿ WIFI&BT ÿ
	- 1 x I2S - IO ч 1 x 3.5mm Line out
	- IO ч 1 x HDMI 2.0 h 1 x DP 1.4 - ч 1 x LVDS/eDP 1.3 Ÿ ÿ
USB	- IO ч 1 x USB 2.0 OTG h 3 x USB 2.0 Host Type-A h 4 x USB3.0 Type-A
SATA	- 1 x M.2 KEYEM 2242/2280 SSD
	- 1 x M.2 Ÿ Key B+M ÿ Ÿ AI ÿ - 1 x M.2 KEYB h 4G/5G - IO ч 1 x SIM SlotЧ1 x TF card
	- 1 x DB9 RS232 - 1 x DB9 RS485

	- 1 x 28pin I/O Ÿ 1 x CAN&1 x RS232&2 x RS485&8 x GPIO ÿ
MCU	-
	- Ÿ 6 ч 3 +3 ÿ
	- DC IN 12-36V h 12V
	- Android12ҤUbuntu 20.04ҤDebian11
	- ч -20‘ 60œ - ч 10%‘ 90% h
	- ч -20œ‘ 70œ - ч 5%‘ 95% h
(L*W*H)	- 230mm x 160mm × 54mm

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50cm ɢ

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ɪ I/O 0.5V ɢ

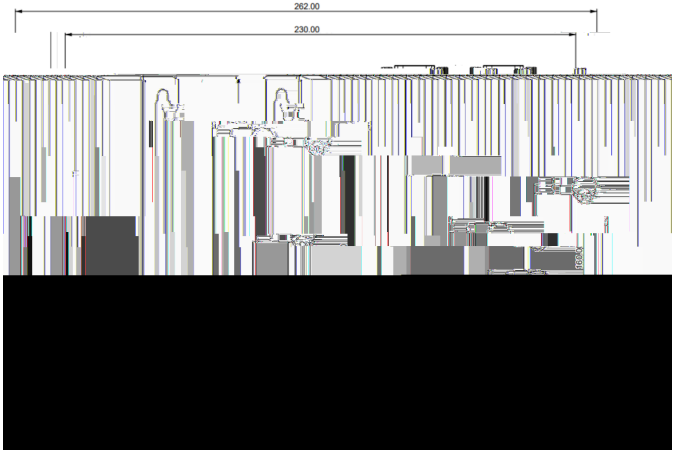
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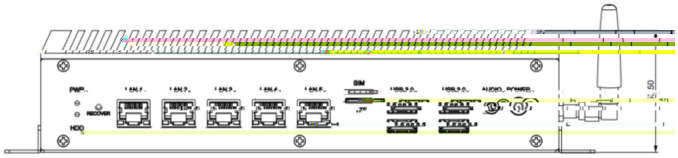
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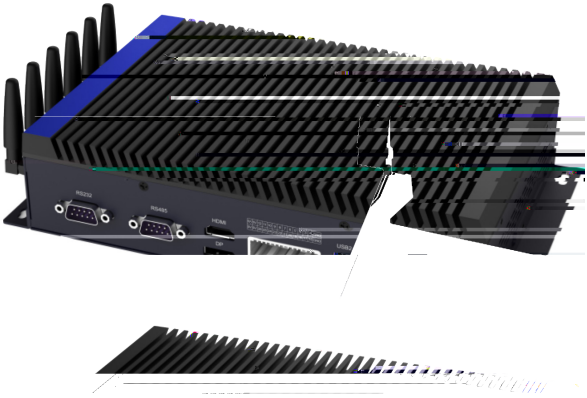
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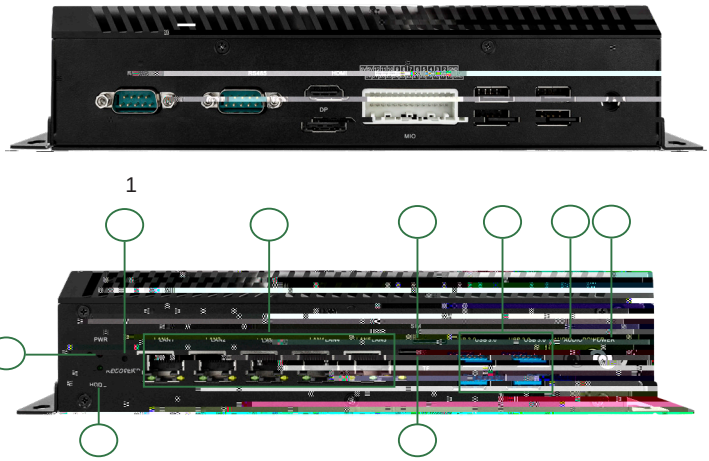


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4.2 IO



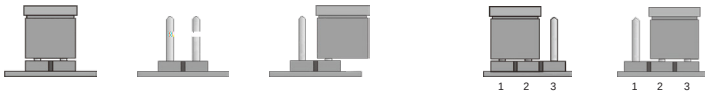
1. RS232:
2. RS485:
3. DP: DP
4. HDMI:
5. MIO: IO
6. USB2.0: USB2.0 OTG
7. USB2.0: USB2.0
8. DC IN: DC
9. PWR:
10. HDD:
11. RECOVER:
12. LAN: RJ45
13. SIM: SIM
14. TF: TF
15. USB3.0: USB3.0
16. AUDIO:
17. POWER:

		LED	
PWR	PC		
			PC

4.5

4.5.1

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4.5.2

LVDS_BK_SEL1

1-2	12V
2-3	5V

1-2 ч Ƕ
2-3 ч 5V ɢ

LVDS_VDD_SEL1

1-2	5V
2-3	3.3V

1-2 ч 5V Ƕ
2-3 ч ɢ

4.5.3 JDCIN1

1	DCGND
2	DCIN

4.5.4 JDCIN2

1	NC
2	GND
3	12V

4.5.5 DEBUG1

1	RX
2	TX
3	GND

4.5.6 MICE1

1	RX
2	TX
3	GND

4.5.7 SPK1

1	L+
2	L-
3	R+
4	R-

4.5.8 JFAN1

1	GND
2	5V
3	
4	

4.5.9 BK1

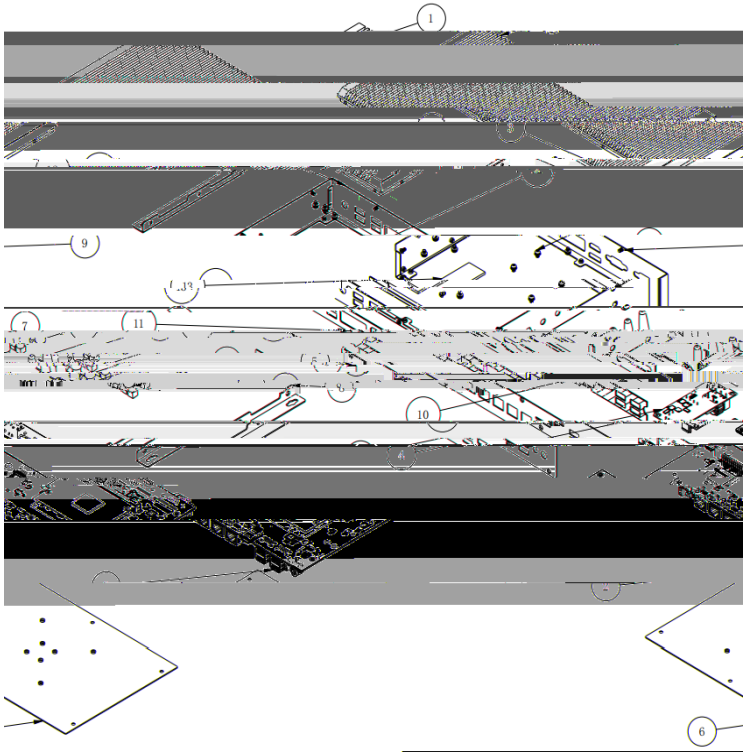
1	DC-12V
2	DC-12V
3	EN
4	ADJ
5	GND
6	GND

4.5.10 EDP1

1	LVDS_EDP_VDD_IN	2	LVDS_EDP_VDD_IN
3	GND	4	GND
5	EDP_TXD0N_CON	6	EDP_TXD0P_CON
7	EDP_TXD1N_CON	8	EDP_TXD1P_CON
9	EDP_TXD2N_CON	10	EDP_TXD2P_CON
11	EDP_TXD3N_CON	12	EDP_TXD3P_CON
13	GND	14	GND
15	EDP_TXAUXN_CON	16	EDP_TXAUXP_CON
17	GND	18	GND
19	GND	20	EDP_HPDIN_3V3

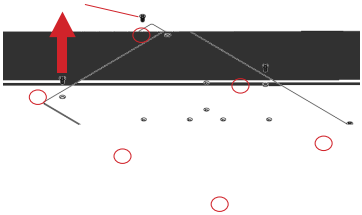
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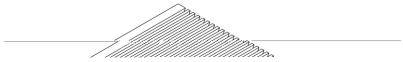
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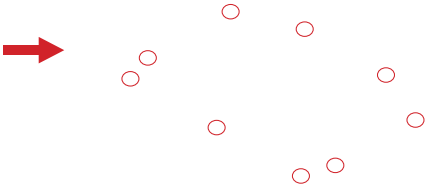


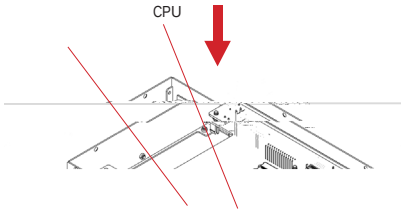
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7		8		9	M3x4
10		11		12	M3X5_
13					

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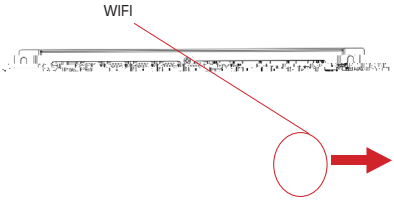




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2. 9 M3x4 h Ң
3. h ɢ

5.5 WIFI



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