D137 Carrier Board



Feature

- 4x UART GH1.25/4pin Wafer
- 1x Expansion Power Button GH1.25/2pin Wafer
- 1x Expansion Suspend/Wakeup GH1.25/2pin Wafer
- 1x Expansion Recovery GH1.25/2pin Wafer
- 1x CAN Bus GH1.25/ 4 pin wafer
- 2x SPI GH1.25/6 pin wafer
- 1x PWMs*4 GH1.25/6pin Wafer
- 2x I2C (Master) GH1.25/4pin Wafer
- 1x GPIOs*8 GH1.25/10pin Wafer

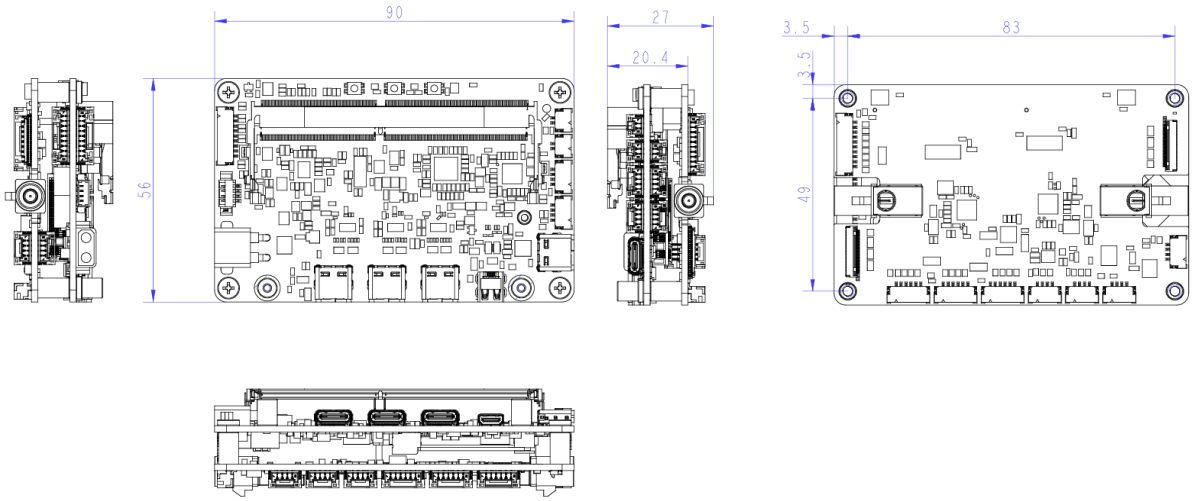
Specifications

Model	D137
NVIDIA Module Compatibility	NVIDIA® Jetson Orin NX / Orin Nano module
Networking	2x Ethernet GH1.25/ 9 pin Wafer (10/100/1000/Gigabit Ethernet)
Display Output	1 x Micro HDMI output (HDMI 1.4, 1080P)
MIPI Camera Inputs	2 x 4 lane MIPI CSI-2, 22 pin FPC 0.5mm Pitch/GMSL Camera Inputs
USB	1x USB 2.0 Type C (For BSP Installation) 3x USB 3.2 Type C
Storage	1x M.2. key M 2230 for NVMe
Expansion Connector	4x UART GH1.25/4pin Wafer 1x Expansion Power Button GH1.25/2pin Wafer 1x Expansion Suspend/Wakeup GH1.25/2pin Wafer 1x Expansion Recovery GH1.25/2pin Wafer 1x CAN Bus GH1.25/ 4 pin wafer 2x SPI GH1.25/6 pin wafer 1x PWMs*4 GH1.25/6pin Wafer 2x I2C (Master) GH1.25/4pin Wafer 1x GPIOs*8 GH1.25/10pin Wafer
RTC Battery	Support RTC battery and Battery Life Monitoring by MCU
Internal Buttons	Power and Recovery and Suspend/Wakeup
Thermal solution	4 pin Fan Wafer solution
Power Input	XT30 DC-IN 12V~50V
Temperature	Operating Temperature -10°C~60°C (Board Level)
Certifications	CE, FCC,VCCI, KC (TBA)
PCB/Electronics Mechanical Info	90mm (L) x 56mm (W) x 30.7mm (H) (Stacking with SOM)
Weight	80g
Package	1x Carrier Board (Mother board + Daughter board) 1x Power cable (XT-30 to DC JACK)

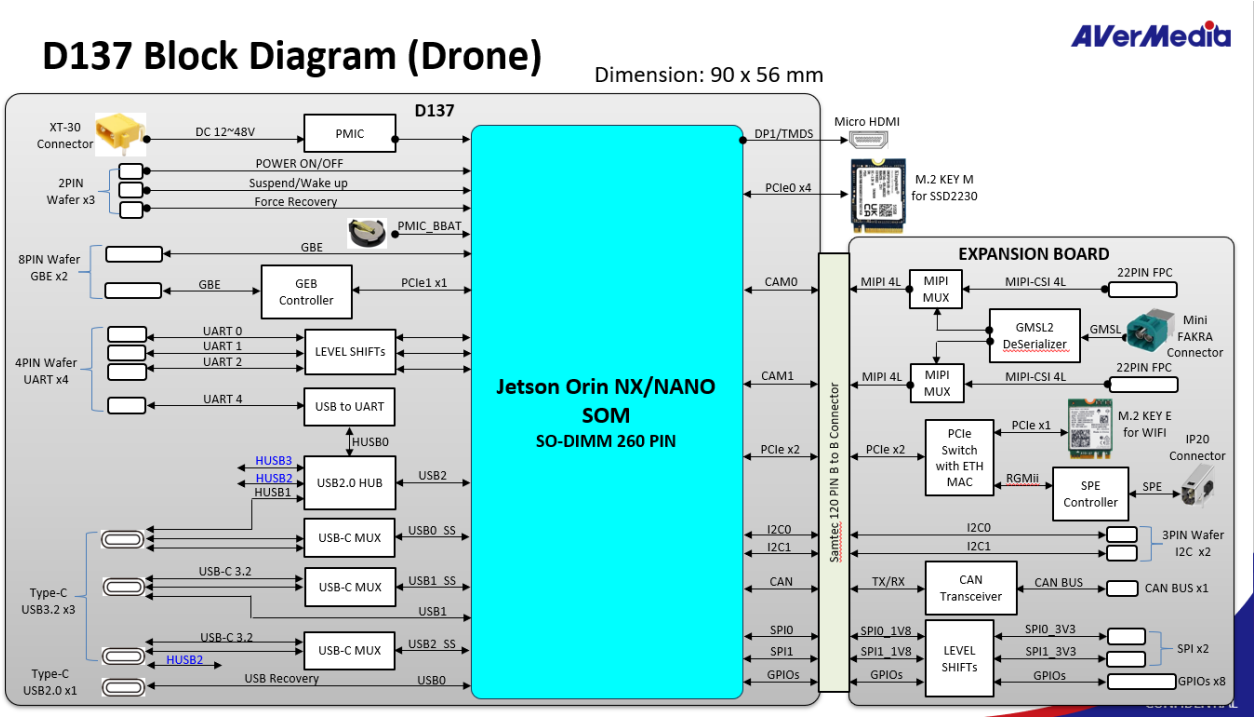
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Dimensions (90 x 56 x 30.7 mm)



Block Diagram



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Ordering Information

Item	Description
61D137CB01AC	1x D137 Mother board + Daughter Board 1x Power cable (XT-30 to DC JACK)

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Optional Accessories

Part Number	Type	Description
067AWJE26ACL	Cable	WIRE_28AWG-HSG1*9(PH1.25) TO RJ45/F_300mm
067AWJE26ACF	Cable	WIRE_28AWG-HSG1*2P(PH1.25) TO OPEN_300mm
067AWJE26ACK	Cable	WIRE_28AWG-HSG1*4P(PH1.25) TO OPEN_300mm
067AWJE26ACG	Cable	WIRE_28AWG-HSG1*6P(PH1.25) TO OPEN_300mm
067AWJE26ACH	Cable	WIRE_28AWG-HSG1*10P(PH1.25) TO OPEN_300mm

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