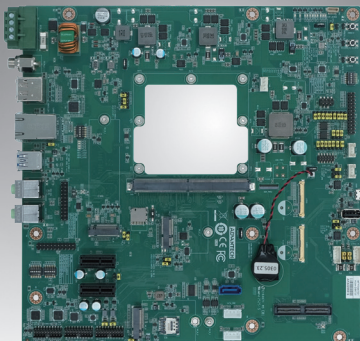


AOM-DB6700

Development Board for AOM-Nano/Compact Module



Features

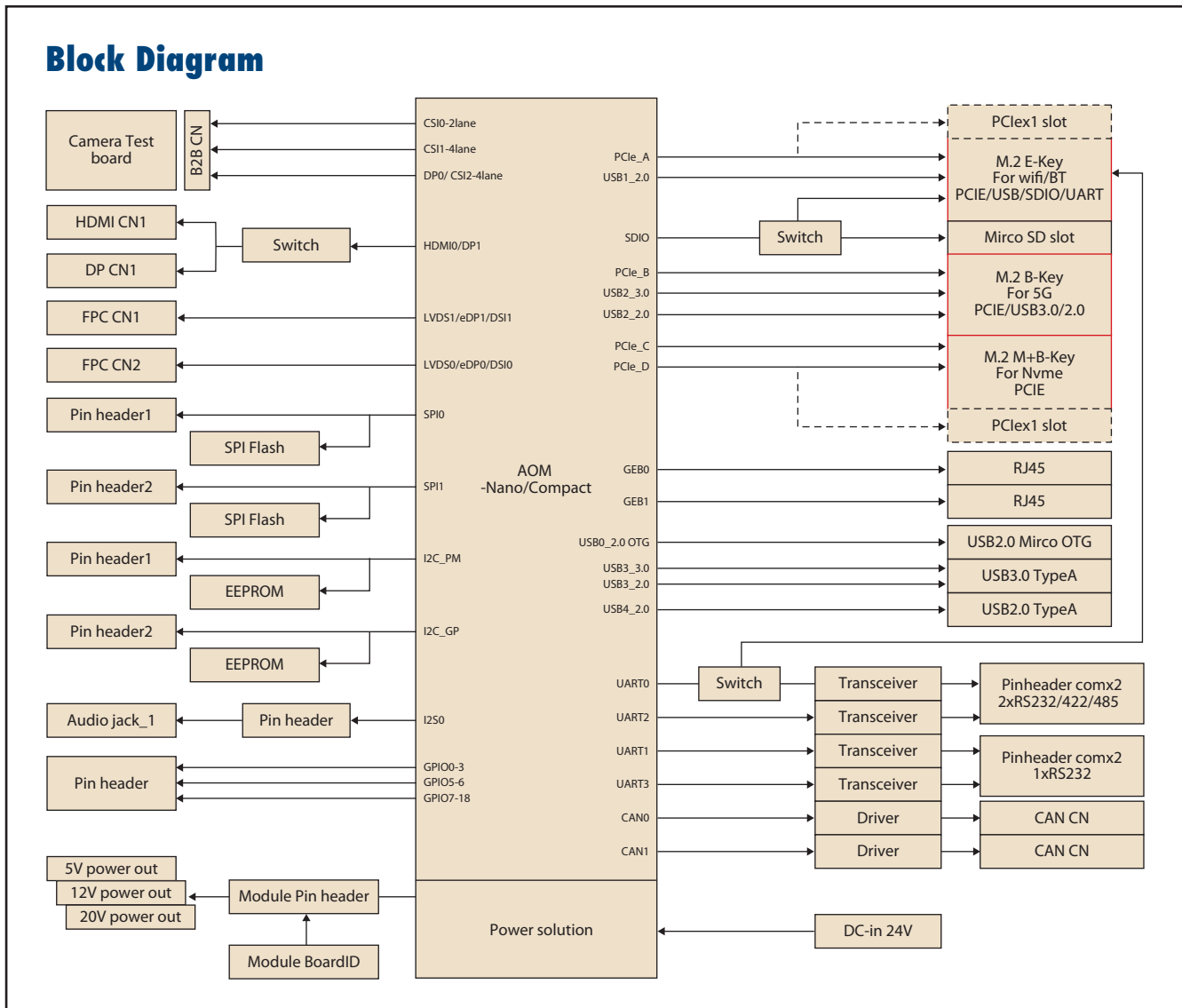
- Support AOM-Nano/Compact Module
- Support SMARC V2.2
- 4 kinds of display outputs: 18/24-bit LVDS or MIPI DSI, HDMI, DP
- 2 x RJ-45, 1 x USB 3.0, 1 x USB 2.0 OTG, 2 x USB 2.0, 2 x CAN bus, 4 x series port
- 2 x PCIe by1, 1 x M.2 E-key, 1 x M.2 B-key, 1 x M.2 M key
- 4 x MIPI CSI interfaces for camera by B2B
- Supports +24V DC and Lithium-ion battery power input



Specifications

Compatible Models	Advantech AOM-Nano/Compact Module Series (82mm x 80mm / 82mm x 50mm)		
Display	LCD (LVDS/eDP/MIPI DSI)	2	
	DP	1	
	HDMI	1	
Video input	MIPI CSI	2x 4lane, 1x 2lane, by B2B connector	
Ethernet	Connector	2 Ports RJ45	
	Gigabit	10/100/1000m with TSN support	
I/O	SATA3.0	1x SATA	
	USB	1 USB2.0 OTG by mircoUSB	
		2 USB2.0 host by typeA	
		1 USB3.0 host by typeA	
	Audio	2x Audio Jack w/line out,Mic in	
	SPI Bus	2	
	GPIO	18	
	COM Port	4 Ports (2 x RS-232/422/485, 1 x RS-232, 1 x RS232 for debug)	
CAN	2		
I2C	2		
Fan	1		
Expansion	PCIe	2 x PCIe1 lane by bom option	
	M.2	1 x M.2 E-key w/PCIe&USB2.0&UART&SDIO	
		1 x M.2 B-key w/PCIe&USB2.0&USB3.0	
1 x M.2 B+M-key w/PCIe2lane			
SD	1 x mirco sd slot		
Power	Type	ATX: Vin; DC-IN: Vin; Battery: Vin	
	Supply Voltage	Vin: 24V, RTC Battery: 2.0V ~ 3.3V	
Environment	Operating Temperature	-20 ~ 70 °C (-4 ~ 158 °F)	
	Storage Temperature	-40 ~ 85 °C (-40 ~ 185 °F)	
	Humidity	Operating: 40°C@95% relative humidity, non-condensing Storage: 60°C@95%relative humidity, non-condensing	
	Vibration Resistance	3.5 Grms	
Mechanical	Dimensions	244 x 244 mm Standard ATX Form-Factor	

Block Diagram



Ordering Information

Part No.	Description
AOM-DB6700-SCNA1	AOM-Compact Dev-Board Mirco-ATX

Packing List

Part No.	Description	Quantity
1701200220	F Cable 2x10P-2.0/D-SUB 9P(M)x2 22CM	1
1935000100	Screw M2.5x5L R/S D=4.5 H=1.7 (1+) ST Ni	7