



Features:

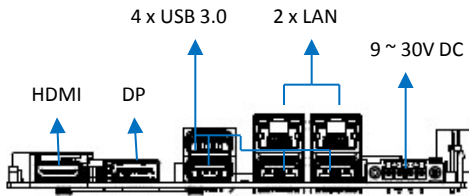
- Onboard Intel® Atom™ E39xx processor family
- Support DP/HDMI/eDP
- Support three RS-232/422/485
- Wide temperature -40° to 85° C
- Wide voltage 9V~30V DC



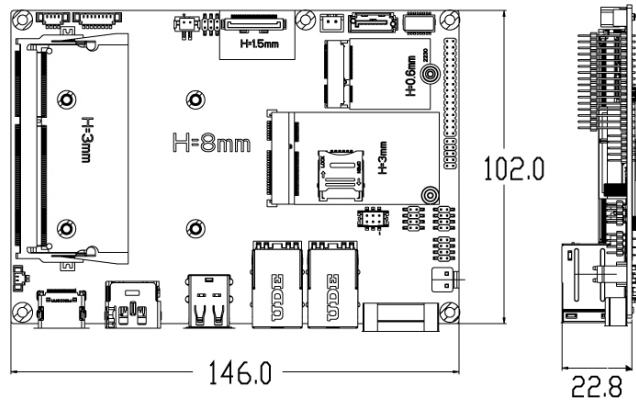
Specification

Processor	CPU	Intel® Atom® x5-E3930 Dual Core, 1.3GHz, 2 MB L2 Cache	
		Intel® Atom® x5-E3940 Quad Core, 1.6GHz, 2 MB L2 Cache	
		Intel® Atom® x7-E3950 Quad Core, 1.6GHz, 2 MB L2 Cache	
		Intel® Celeron® N3350 Dual Core, 1.1GHz, 2 MB L2 Cache	
Memory	RAM	x 1 SO-DIMM socket for DDR3L up to 8GB	
External Connector	HDMI	x 1	
	DisplayPort	x 1	
	USB 3.0	x 4	
	Power	x 1 (4 pin terminal block)	
Internal Connector	eDP	x 1	
	SATA III	x 1	
	M.2 2230 E-key socket	x 1 (for WiFi)	
	Mini PCI-E	x 1 (for 3G/4G/mSATA)	
	RS-232	x 1 (with pin header)	
	RS-232/422/485	x 3 (with pin header)	
	USB 2.0	x 2 (with pin header)	
	8bit GPIO	x 1 (with pin header)	
	Micro SIM socket for mini PCIe	x 1	
	COM1~4 Active lighting signal	x 1 (with pin header)	
Networking	LAN	x 2 Intel® I210-IT (Without Wide Temperature Version x 2 Intel® I211-AT) (10/100/1000Mbps)	
Audio	Speaker-out	x 1 (with pin header)	
	Line-out	x 1 (with pin header)	
	Mic-in	x 1 (with pin header)	
Others	TPM	TPM 2.0 (manufacturing option)	
	Watchdog Timer	System reset, programmable via software from 1 to 255 seconds	
Environment	Temperature	Operation	-40° to 85° C (Without Wide Temperature Version 0° to 60° C)
		Storage	-40° to 85° C
	Relative Humidity	10% to 95% non-condensing	
Power	Power Supply	9V ~ 30V DC with 4 pin terminal block	
OS Support		Win10 IoT Enterprise / Linux per request	
Physical Characteristics	Dimension	142 (W) x 102 (L) mm	
Regulatory Compliance		CE / FCC Class A	

Fully Integrated I/O



Dimensions (Unit: mm)



Ordering Information

Item	Description
Saber-AL-3500W-E3930	Intel® Atom® x5-E3930 Dual Core, 1.3GHz, 1 x HDMI, 1 x DP, 4 x COM, 4 x USB 3.0, 2 x USB 2.0, 2 x LAN, 8bit GPIO, 9V~30V DC with 4P terminal black, wide temperature -40° to 85°C
Saber-AL-3500W-E3940	Intel® Atom® x5-E3940 Quad Core, 1.6GHz, 1 x HDMI, 1 x DP, 4 x COM, 4 x USB 3.0, 2 x USB 2.0, 2 x LAN, 8bit GPIO, 9V~30V DC with 4P terminal black, wide temperature -40° to 85°C
Saber-AL-3500W-E3950	Intel® Atom® x7-E3950 Quad Core, 1.6GHz, 1 x HDMI, 1 x DP, 4 x COM, 4 x USB 3.0, 2 x USB 2.0, 2 x LAN, 8bit GPIO, 9V~30V DC with 4P terminal black, wide temperature -40° to 85°C
Saber-AL-3500-E3930	Intel® Atom® x5-E3930 Dual Core, 1.3GHz, 1 x HDMI, 1 x DP, 4 x COM, 4 x USB 3.0, 2 x USB 2.0, 2 x LAN, 8bit GPIO, 9V~30V DC with 4P terminal black, 0° to 60°C
Saber-AL-3500-E3940	Intel® Atom® x5-E3940 Quad Core, 1.6GHz, 1 x HDMI, 1 x DP, 4 x COM, 4 x USB 3.0, 2 x USB 2.0, 2 x LAN, 8bit GPIO, 9V~30V DC with 4P terminal black, 0° to 60°C
Saber-AL-3500-E3950	Intel® Atom® x7-E3950 Quad Core, 1.6GHz, 1 x HDMI, 1 x DP, 4 x COM, 4 x USB 3.0, 2 x USB 2.0, 2 x LAN, 8bit GPIO, 9V~30V DC with 4P terminal black, 0° to 60°C
Saber-AL-3500-N3350	Intel® Celeron® N3350 Dual Core, 1.1GHz, 1 x HDMI, 1 x DP, 4 x COM, 4 x USB 3.0, 2 x USB 2.0, 2 x LAN, 8bit GPIO, 9V~30V DC with 4P terminal black, 0° to 60°C

Optional

3.5" Heatsink	Heatsink kit
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** W = Wide Temperature

Packing List

Item	Description
Accessories	- CD
	* Driver
	* SDK/ Demo AP
	* UMN
	* QIG
	- Cable (4 pin ATX 12V power input cable)