

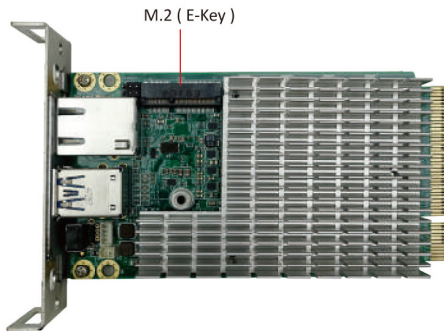
# ASDM-APL6

Intel® Atom® E3900 Series SoC Smart Display Module Board with 2 USB, One GbE LAN.



Intel® SDM

Wifi Support



## Key Features

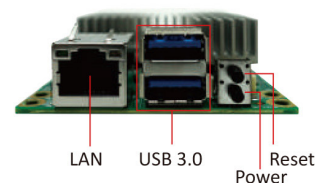
- Intel® Apollo Lake SoC on board
- LPDDR4 on Board up to 8GB SDRAM
- One Intel® Gigabit Ethernet ports
- M.2 (E-Key 2230) expansion slots
- 2 USB 3.0
- EuP/ErP 2013 Ready

## Product Specification

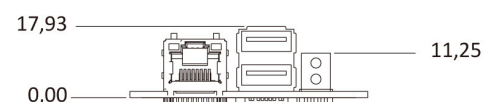
System Processor/Chipset	
Processor	Intel® Atom™ x5 E3930 1.30GHz / 1.80GHz (Base/Burst) Dual-Core SoC (6.5W) Intel® Atom™ N4200 1.10GHz / 2.50GHz (Base/Burst) QC 1.10GHz (6W) Intel® Atom™ N3350 1.10GHz / 2.40GHz (Base/Burst) DC 1.10GHz (6W)
Chipset	Intel® Apollo Lake SoC integrated
BIOS	AMI SPI Flash ROM
Memory	
Technology	LPDDR4 on Board
Max. capacity	Up to 8GB
eMMC	32G
Display	
Graphics	Intel® HD Gen. 9-LP Graphics
Display interface	HDMI, DP (Golden Finger)
Dual display	HDMI + DP
Resolution	DP : Up to 4096 x 2160 @ 60Hz HDMI : Up to 3840 x 2160 @ 30Hz
Ethernet	
Interface	10/100/1000 Mbps
Controller	Intel® I211 GbE
Connector	1 x RJ45
Audio	
Interface	N/A
CODEC	N/A
Expansion Slot	
M.2	1 (E key 2230)
I/O	
Audio	N/A
USB	2 x USB 3.0 (Rear I/O)
COM	N/A
SDM Features (Golden Finger)	
Display	HDMI, DP
I/O	USB 3.0, USB 2.0, PCIe x1, UART, I2C
Power Requirement	
Power connector	N/A
Power type	N/A
Power mode	N/A
Watchdog Timer	
Interval	Programmable 1~255 sec/min
Output	System reset

Environment	
Operating temperature	0°C ~ 60°C (32°F ~ 140°F) standard -20°C ~ 70°C (-4°F ~ 158°F) optional -40°C ~ 70°C (-40°F ~ 158°F) optional
Storage temperature	-40°C ~ 80°C (-4°F ~ 176°F)
Relative humidity	0% ~ 95% (non-condensing)
Form Factor	
Dimensions (L x W)	Smart Display Module Board 60 mm x 100 mm

## Rear I/O



## Dimensions



## Ordering Information

Part Number	Description
ASDM-APL6-3930	SDM-S, Intel Atom x5 E3930 6.5W.2USB/LAN, LPDDR4-4GB./eMMC-32GB
ASDM-APL6-4200 (MOQ)	SDM-S, Intel Pentium N4200 6W.2USB/LAN, LPDDR4-4GB./eMMC-32GB
ASDM-APL6-3350	SDM-S, Intel Celeron N3350 6W.2USB/LAN. LPDDR4-4GB/eMMC-32GB

## Accessories list

Part Number	Description
TBD	Heatsink
TBD	Heatsink with air cooling

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