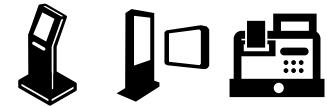
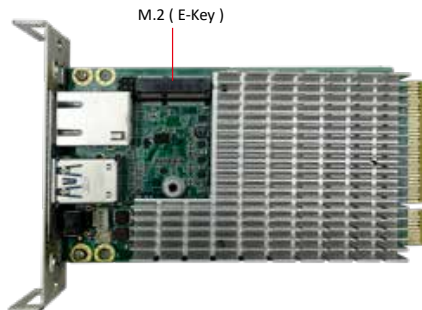


ASDM-APL6

Intel® Atom®/ Pentium®/ Celeron® Series SoC based
Smart Display Module Small Size (SDM-S) with
2 USB, M.2 E-Key 2230, Intel® GbE LAN.

SKM Module



Wifi
Support

Key Features

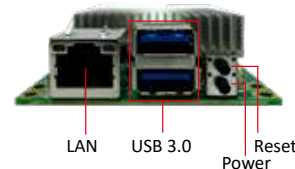
- Intel® Atom®/ Pentium®/ Celeron® (Apollo Lake SoC) onboard processor
- LPDDR4 onboard up to 8GB SDRAM, eMMC onboard up to 64GB
- One Intel® Gigabit Ethernet ports
- 1 M.2 E-Key 2230 (WiFi/BT) expansion slot
- 2 USB 3.0 ports
- Slightly larger than a credit card

Product Specification

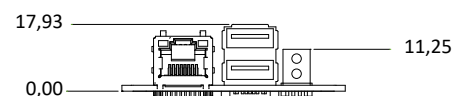
System Processor/Chipset	
Processor	Intel® Apollo Lake series SoC onboard Atom® x5-E3930 (1.3GHz/1.8GHz,DC,12EU, 6.5W) Pentium® N4200 (1.1GHz/2.5GHz, QC, 18EU, 6W) Celeron® N3350 (1.1GHz/2.4GHz, DC, 12EU, 6W)
Chipset	Intel® Apollo Lake SoC integrated
BIOS	AMI UEFI Flash ROM
Memory	
Technology	LPDDR4 onboard
Storage	
eMMC	eMMC onboard up to 64GB
Display	
Graphics	Intel® HD Gen 9-LP Graphics
Display interface	HDMI, DP (Golden Finger)
Multi-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 x M.2 E-Key 2230 (WiFi/BT)
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 (-40°F ~ 176°F)
Relative humidity	0% ~ 95% (non-condensing)
Form Factor	
Dimensions (L x W)	Smart Display Module Board (SDM-S) 60 mm x 100 mm

Rear I/O



Dimensions



Ordering Information

Part Number	Description
ASDM-APL6-3930 (MOQ)	SDM-S, Intel Atom x5-E3930 6.5W, 2USB/LAN, LPDDR4-4GB/eMMC-32GB, DC(12V)
ASDM-APL6-4200	SDM-S, Intel Pentium N4200 6W, 2USB/LAN, LPDDR4-8GB/eMMC-64GB, DC(12V)
ASDM-APL6-3350	SDM-S, Intel Celeron N3350 6W, 2USB/LAN, LPDDR4-4GB/eMMC-32GB, DC(12V)

Optional Accessories

Part Number	Description
TBD	Heatsink
TBD	Heatsink with air cooling

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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