INTEL® SMART DISPLAY MODULE

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Visual Retail, Retail Solutions Division
IOTG

Allianz
open happiness
IN TIMES SQUARE
MORMON
BEST MUSICAL
"THE BEST MUSICAL OF THIS CENTURY."
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Space Optimized
Intel® SDM Small
(Intel® SDM-S)

Slightly larger than a credit card, the Intel® SDM-S is 60mm x 100mm x 20mm

Workload Optimized
Intel® SDM Large
(Intel® SDM-L)

The Intel® SD M –L measures 175mm x 100mm, with a maximum 20mm z-height

Scale Your Designs to Match Workloads and Desired Cost Points

Choose from the compact and energy-efficient Intel Atom® processor or the performance-driven Intel® Core™ processors

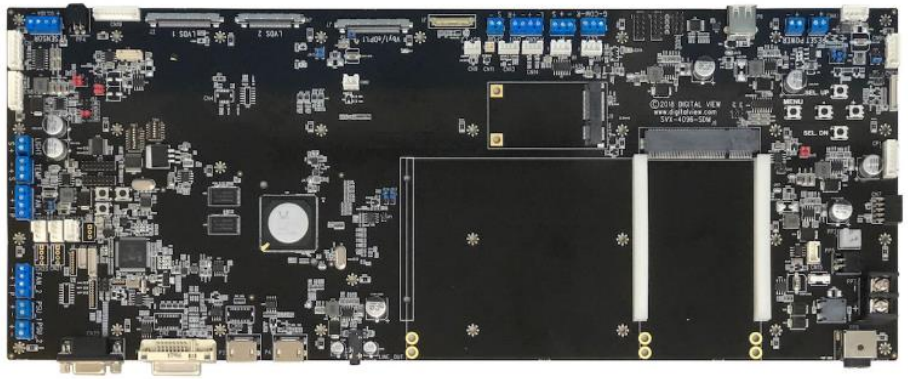
Enabling Ultraslim Displays For a Wide Range of Industries

Optimized for digital signage, kiosks, professional monitors, point-of-sale, 'magic mirrors,' bedside terminals, interactive flat panel displays, and more.

SDM APPLICATIONS FROM PARTNERS

DS	Kiosk	IWB	Client Terminal	Projector

Video Controller Board for Open Frame Panel



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INTEL® SMART DISPLAY MODULE

Intel® SDM

Key Partners

AAEON, acer Being Signage, ADVANTECH, ASUS IN SEARCH OF INCREDIBLE, AXIOMTEK, BOE, BroadSign, Centerm, COMPAL, ComQi Connected Experiences, DIGITAL VIEW, DISA ASIA, DynaScan, ECS ELITEGROUP, Edge I&D, innoconn An Innovative Foxconn Subsidiary, E-jeton, Giada, GIFA, HKC, iEi Integration Corp., I-O DATA, JWIPC, LITEMAX, makerSign, NEC, onActivity, PANACHE, Panasonic, Quanta Computer, Quividi, REALBOM, SHARP, umajin, USI, ViewSonic, WEIBU

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Licensees

90

34 Display/SI Vendors

TOP 5 REASONS

YOU SHOULD DESIGN WITH THE INTEL® SMART DISPLAY MODULE

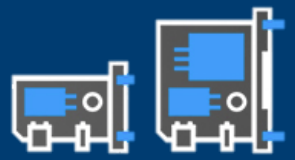
1 FLEXIBILITY

2 UPGRADEABILITY

3 RELIABILITY

4 SERVICEABILITY

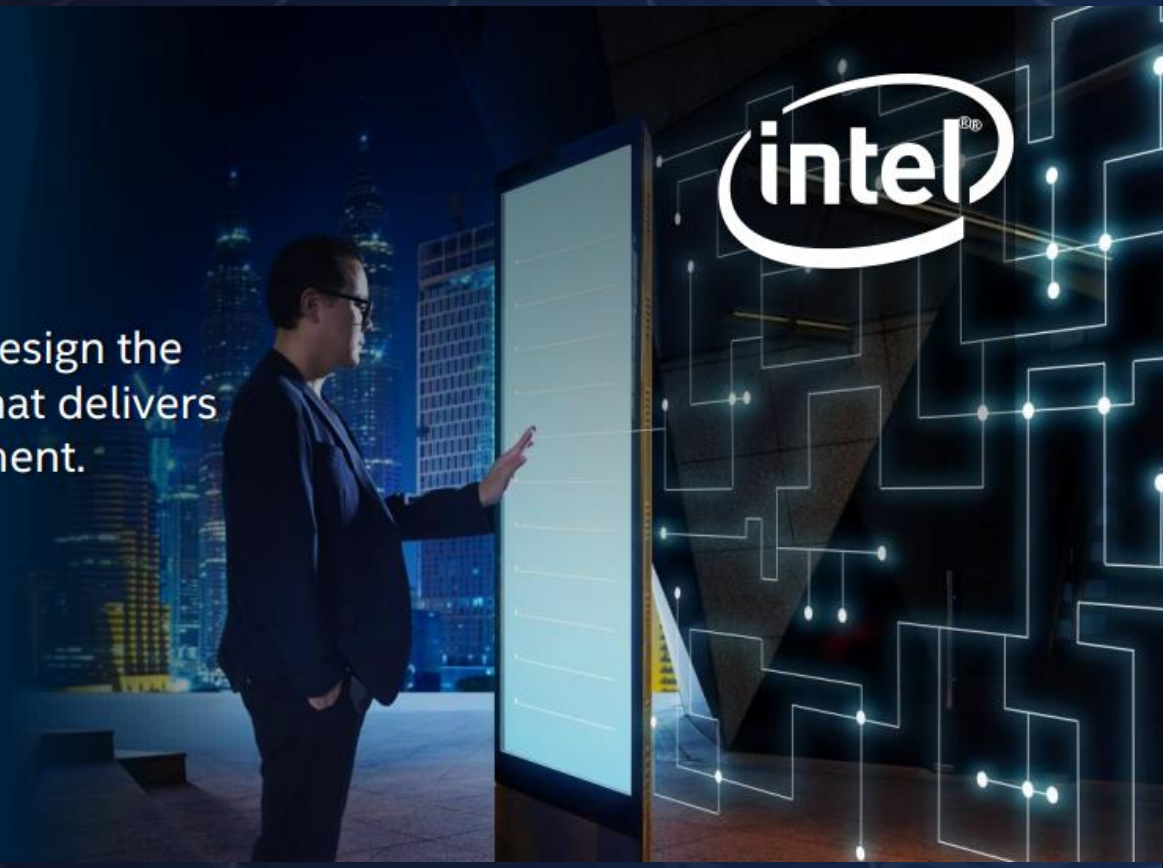
5 SECURITY



MINIMUM SPACE. MAXIMUM FLEXIBILITY.

Intel® Smart Display Modules deliver everything you need to design the sleekest displays with robust, integrated compute capability that delivers enriching visual experiences and enhances the user's engagement.

LEARN MORE AT INTEL.COM/SDMSPEC



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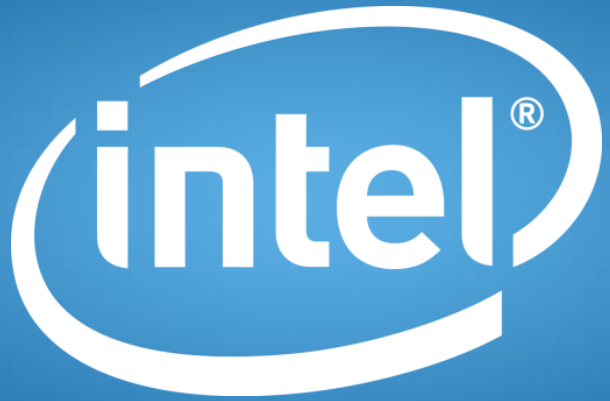
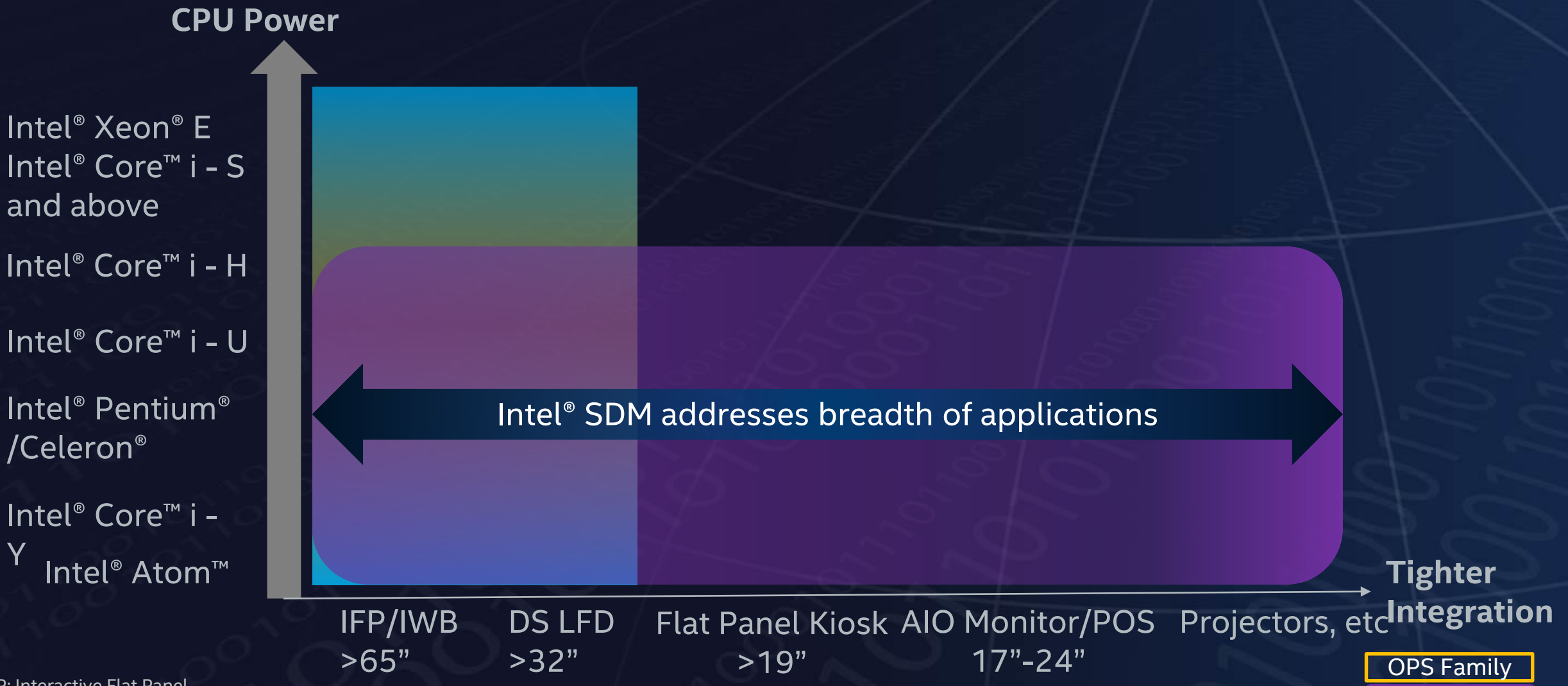


Internet of Things Group (IOTG)

OPS & SDM Form Factor Addressability



IFP: Interactive Flat Panel
IWB: Interactive White Board
LFD: Large Format Display

SDM Form Factor Summary

SDM Form Factor		SDM-S	SDM-L	Note
Module Dimension (mm)	Width	60	**175**	SDM-L slot can also cater to SDM-S module
	Depth	100	100	Not inclusive of edge connector (~9.9mm)
	Height	Max 20		Standardized between S&L for mechanical compatibility
I/O Bracket(mm)	Width	80	**195**	
	Height	25	25	Standardized between S&L for mechanical compatibility
SDM Edge Connector		PCIe x8		PCIe x8 (98pins) w/custom SDM pin definition
Power	CPU TDP	Up to 10W	**Up to 45W**	As validated on Intel's reference designs, limitation varies depending on SDM vendor's overall system thermal/power design
	Platform Power	~20W	**~65W**	
Operating Temp		Up to 55C		Temperature inside the display where SDM resides

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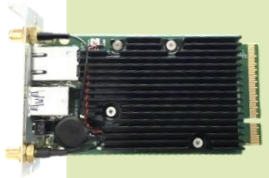
Reference Design Plans



Marina Bay (SDM-S): 1H ‘17 Readiness

- Dimension: 60mm x100mm
- Based on KBL-Y sku (4.5W) Core i5 w/vPro)
- Memory Down
- eMMC Storage
- LAN & WiFi
- Fanless

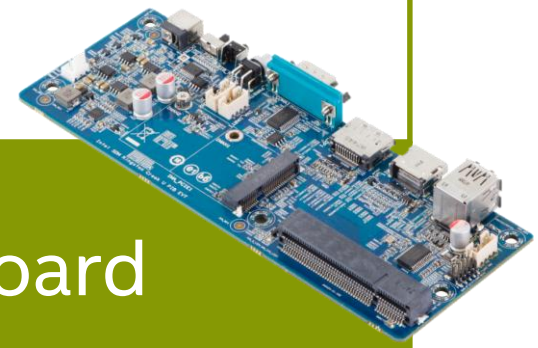
Completed

Kingston Creek (SDM-L): 2H ‘18 Readiness

- Dimension: 175mmx 100mm
- Based on KBL-U(15W) and CFL-H(45W) Core i5 w/vPro
- SO-DIMM memory
- Modular Storage (M.2)
- LAN and WiFi
- Active Cooling

In Progress

- Custom IO receptacle board for SDM module
- Can be used as interface reference board for testing and integration into AIO display



Peripheral Interface Board (PIB)

Sample Units Available for Interested Partners with IPLA signed

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