Samsung DME Series SMART Signage

Choose the ideal display for your business environment with reliable 24/7 operation



Highlights

- **Dependable for continuous commercial operation.** Meet a wide range of business uses 24hours/7days through an advanced, professional-grade display.
- **Adaptable for various business needs.** Enjoy professional-grade displays equipped with standard D-Series design in various sizes in between 32" and 75" and optional color bezels.
- **Rich content delivery through a Quad Core processor.** Easily manage a vast range of dynamic content with various content display features, enhanced 8GB memory storage and 3rd Generation Samsung SMART Signage Platform (SSSP) featuring a built-in media player and expanded connectivity.
- **Streamline content management.** Gain advanced content manageability while reducing Total Cost of Ownership (TCO) through MagicInfo S3.
- **Easy and efficient display configuration.** Conveniently and economically operate and maintain multiple displays with Daisy Chain configuration, Magic Clone and Auto Source Switching

Enhance sales and transform business operation with stunning and efficient displays

Today's companies are leveraging innovative digital displays to communicate with customers and present business information. Digital signage is an effective way for retailers to promote products, unify brand identity and increase traffic. Businesses now commonly use digital signage to dynamically connect with clients, staff and visitors. When seeking digital signage solutions, today's companies look for displays that are versatile, cost-efficient, easy to connect, install and control, and reliable during long, continuous operation.

Samsung DME Series SMART Signage provides powerful 24/7 performance and high-quality, clear images in a sleek and professional design with competitive cost. Businesses and retail establishments can connect the displays in various configurations with expanded connectivity options. Plus, when it comes to installation, usage and maintenance, the displays offer myriad connection options, straightforward control and economical usage. Companies can choose from a range of sizes and customize the displays' appearance with attractive bezel color options to suit any working or display environment. DME Series 65" and 75" models are well-suited for corporate meeting room usage. And, even with their powerful performance and features, DME Series displays are available at a competitive price.

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Rely on brilliant 24/7 operation for a wide range of business environments and purposes

Enrich and support virtually any business usage with stunning and dependable 24/7 operation

DME Series displays deliver professional-grade brightness, reliable 24/7 operation and various sizing and appearance options to suit myriad environments. These attributes make DME Series the smart choice for virtually any business, more specifically QSR and Retail-chain retail establishment. The displays' high 450 nit brightness and 2% haze support crystal clear image quality for promotions and information that captivate viewers. Exceptional durability for extended 24/7 usage ensures that your business messages are conveyed with impact even in distant multiple locations.

Plus, DME Series displays' wide array of sizing options meet various business needs while enhancing your messaging space with a chic and streamlined appearance. For convenient and efficient mechanical compatibility, DME Series displays maintain the same stunning design as previous Samsung D-Series SMART Signage. To further elevate business décor, the displays feature slim and elegant black hairline deco-bezels or white deco-bezels.* A flexible, tag-type spacer with a logo is designed for either portrait or landscape installations to create a polished, professional look in any space.

**Note: The black hairline bezel and the white bezel are offered as optional features.*

Mode	Environment	Usage Scenarios
Retail chain and QSR	24/7 operation of multiple display management	Display promotional and informational messages for long operational hours in multiple locations
Shop and Mall	Bright environment with many lights	Present rich colors and detailed textures for product promotions
Office and School	Indoor environment with normal lights	Display sharp text for information announcements and moving videos for brand promotions
Terminal and Station	The brightest environment (outdoor)	Show updated timetable text and video advertisements
Videowall	Multi-display	Use in various ways within videowall environments



Figure 1. Extensive usage in virtually any business environment

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Immerse audiences in business messaging with high performance and expanded connectivity

Meet growing business demands with powerful performance and flexible connections

3rd Generation Samsung SMART Signage Platform (SSSP)

3rd Generation SSSP enables immersive and effective content delivery from an integrated hardware and software solution featuring a media player embedded inside DME Series displays as a powerful Quad Core System on Chip (SoC). The platform streamlines digital signage configuration and management by eliminating the need for an additional PC unit. In addition, 3rd Generation SSSP features 8GB storage capacity for adaptability and convenient, easy usage. The result is an uncluttered and simplified digital signage configuration that delivers rich, high-resolution media content, enhances operational efficiency and lowers Total Cost of Operation (TCO).

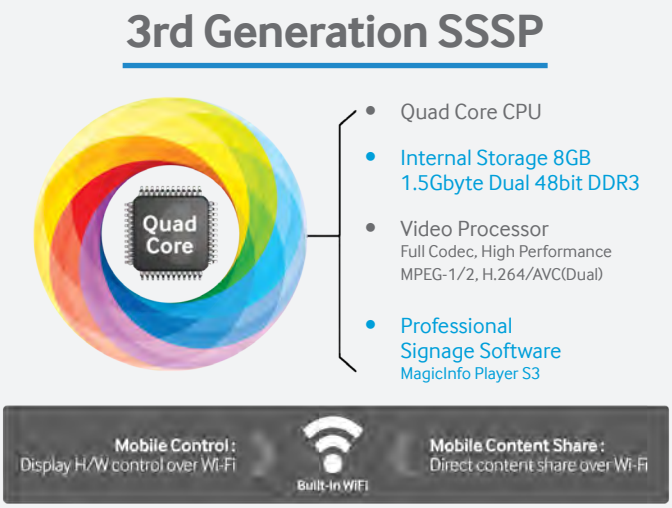


Figure 2. 3rd Generation SSSP robust capabilities

Wide array of connectivity options

DME Series displays deliver a broad range of digital content with powerful connectivity options. Expanded connectivity is available through two HDMI ports.* Also, the DVI-port can be utilized as an additional HDMI port with a DVI-to-HDMI adapter.

**2HDMI port connectivity may vary by screen sizes and geography*

Easily and simply manage a rich array of content while reducing TCO

Streamlined display and content management

DME Series 3rd Generation SSSP helps businesses boost revenues with professionally polished content created through an embedded content management solution, MagicInfo S3. Along with widgets and stickers, the solution provides six types of free fonts in 23 styles. New MagicInfo S3 eliminates single-font formatting limitations with the upgraded ability to select from various free fonts or add user-selected fonts. For convenient and straightforward content changes, users can deliver messages in a stamp format, along with preset or user-generated, text-editable stickers to update promotional information and price tags. Content can be enriched through eye-catching transitions with Dynamic Effect, a feature that enables slideshow-type effects, such as fade, fly-on and zoom. Plus, a drag-and-drop widget solution can be used to simply add widgets such as AccuWeather®, which displays a 1-day and 1-week weather for the ultimate in professional content presentation.

Easy, economical startup and operation

A newly designed Home Menu UI displays frequently used functions in a new, large-button matrix design for heightened efficiency and productivity. Users can generate content more easily and conveniently than ever with the Home Menu's newly designed templates for various vertical markets including grocery stores, QSRs, terminals and lobbies. Businesses can leverage these sharp, professional template layouts to produce and design content in either portrait or landscape orientation. And, the Home Menu can transform into a touch-activated user experience with the addition of an optional Touch Overlay.

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Continuously captivate audiences while streamlining management and cutting costs



Figure 3. Various functionalities of MagicInfo S3

Artistic Daisy Chain Daisy Chain for multiple displays

Businesses can easily enthrall audiences with unique, eye-catching content displayed simultaneously on multiple screens using Daisy Chain configuration capabilities. Up to 100 displays can be conveniently connected through DP Loop Out to present identical content and engage a large number of viewers.

Magic Clone for simplified installation

The installation of multiple displays is greatly simplified with time-saving Magic Clone, which allows users to save setting information (such as brightness, contrast and so on) from one display and then replicate it to other displays with a USB device.

Auto Source Switching

By automatically switching to alternate active sources when a currently active source goes offline, Auto Source Switching keeps the displays functioning continuously, even when issues arise.

Energy-efficient usage

Easy display operation through remote or USB devices, or through Wi-Fi, along with simplified maintenance and power-saving features help to conserve resources and provide a powerful means of reducing TCO. The displays can be conveniently and readily controlled from a Note PC, tablet or smartphone* application** with a Wi-Fi- connection. SoC players can be controlled in real-time through a network for efficient mobile management. Plus, reduced power consumption, minimal heat emission compared to the previous DMD Series, and an energy-efficient design make these displays cost-efficient for business use.

** Compatible with*
- Mobile devices with Android™ (4.4.2 or above)
- Mobile devices with iOS® (8.0 or above)

*** MagicInfo Express Content Creator 2.0*
- Downloadable in Google Play™ store and Apple App Store℠

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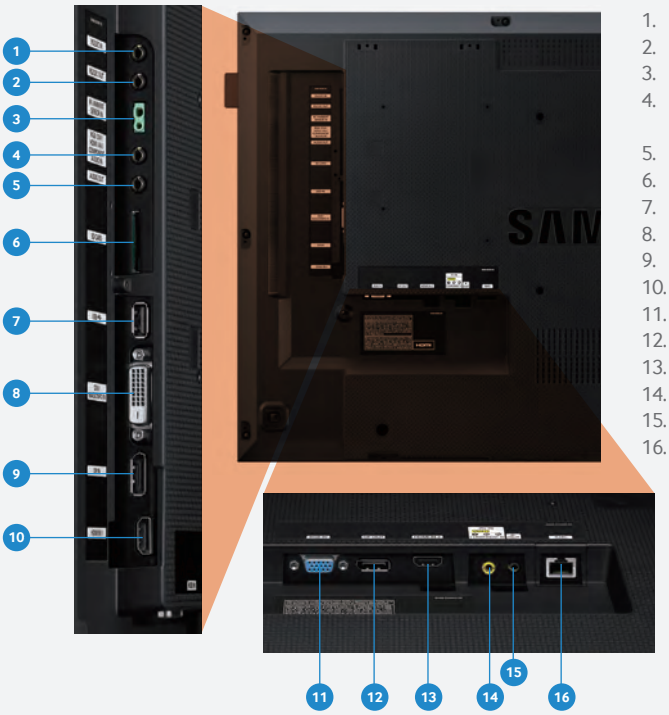
Samsung DME Series SMART Signage

DME

32"/40"/48"/55"/65"/75"

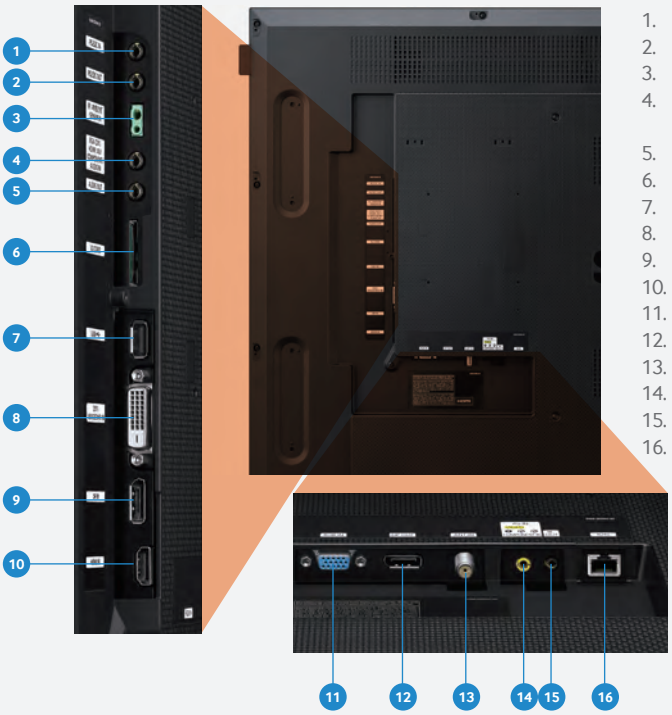


Connectors (Global)



1. RS232C IN
2. RS232C OUT
3. IR / AMBIENT SENSOR IN
4. RGB/DVI/HDMI/AV/ COMPONENT / AUDIO IN
5. AUDIO OUT
6. SD CARD
7. USB
8. DVI / MAGICINFO IN
9. DP IN
10. HDMI IN 1
11. RGB IN
12. DP OUT
13. HDMI IN 2
14. AV IN
15. IR OUT
16. RJ45

Connectors (North America, Korea)



1. RS232C IN
2. RS232C OUT
3. IR / AMBIENT SENSOR IN
4. RGB/DVI/HDMI/AV/ COMPONENT / AUDIO IN
5. AUDIO OUT
6. SD CARD
7. USB
8. DVI / MAGICINFO IN
9. DP IN
10. HDMI IN 1
11. RGB IN
12. DP OUT
13. ANT IN
14. AV IN
15. IR OUT
16. RJ45

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Samsung DME Series SMART Signage

Specifications

			DM32E	DM40E	DM48E	DM55E	DM65E	DM75E
Panel	Diagonal Size		32"	40"	48"	55"	65"	75"
	Type		60Hz D-LED BLU					
	Resolution		1,920 x 1,080 (16:9)					
	Pixel Pitch (mm/in.)		0.12 x 0.36 (0.004 x 0.014)	0.15 x 0.46 (0.006 x 0.018)	0.18 x 0.54 (0.007 x 0.021)	0.21 x 0.63 (0.008 x 0.024)	0.24 x 0.74 (0.009 x 0.029)	0.28 x 0.85 (0.01 x 0.03)
	Active Display Area (mm/in.)		698.4 x 392.8 (27.4 x 15.4)	885.6 x 498.1 (34.8 x 19.6)	1,054.0 x 592.9 (41.4 x 23.3)	1,209.6 x 680.4 (47.6 x 26.7)	1,428 x 804.5 (56.2 x 31.6)	1,650.2 x 928.0 (64.9 x 36.5)
	Brightness(Typ.)		400nit	450nit				
	Contrast Ratio(Typ.)		5,000:1				4,000:1	5,000:1
	Viewing Angle(H/V)		178:178					
	Response Time(G-to-G)		8ms			6ms	6.5ms	4ms
	Display Colors		10bit Dithering - 1.07Billion					
	Color Gamut		72%					
Display	Dynamic C/R		50,000:1					
	H-Scanning Frequency		30 ~ 81kHZ					
	V-Scanning Frequency		48 ~ 75HZ					
	Maximum Pixel Frequency		148.5MHz					
Sound	Speaker Type		Built in Speaker (10W x 1)	Built in Speaker (10W + 10W)				
Connectivity	INPUT	RGB	Analog D-SUB, DVI-D (HDMI Common)	Analog D-SUB, DVI-D(HDMI® Common), DisplayPort® 1.2				
		VIDEO	HDMI1 Component (CVBS Common)	HDMI1, HDMI2(except KR, NA) Component(CVBS Common)				
		AUDIO	Stereo mini Jack					
		USB	USB 2.0 x 1					
	OUTPUT	RGB	N/A	DP1.2(Loop-out)				
		VIDEO	N/A					
		AUDIO	Stereo mini Jack					
		Power Out	N/A					
	EXTERNAL CONTROL		RS232C(in/out) thru stereo jack, RJ45					
	EXTERNAL SENSOR		IR, Ambient Light					
Power	Type		Internal					
	Power Supply		AC 100 - 240 V~ (+/- 10 %), 50/60 Hz					
	Power Consumption	Max[W/h]	77	121	132	176	264	308
		Typical[W/h]	W/W: 55, US: 30, KOR: 57	W/W: 81, US:44, KOR: 85	W/W: 94, US: 50, KOR: 96	W/W: 130, US: 65, KOR: 129	W/W: 200, US: 110, KR: 200	W/W: 230, US: 110, KR: 232
		BTU(Max)	262.57	412.61	450.12	600.16	900.24	1050.28
		Sleep mode	less than 0.5W					
		Off mode	less than 0.5W					
Mechanical Spec	Dimension (mm/in.)	Set	721.4 x 420.3 x 49.9 (28.3 x 16.5 x 1.9)	906.6 x 524.7 x 49.9 (35.6 x 20.6 x 1.9)	1,075.1 x 619.4 x 49.9 (42.3 x 24.3 x 1.9)	1,230.6 x 706.9 x 49.9 (48.4 x 27.7 x 1.9)	1,467.4 x 848.0 x 55.9 (57.7 x 33.3 x 2.2)	1,676.2 x 959.5 x 57.7 (65.9 x 37.7 x 2.2)
		Package	815 x 491 x 132 (32.0 x 19.3 x 5.1)	1,012 x 605 x 138 (39.8 x 23.8 x 5.4)	1,185 x 715 x 148 (46.6 x 28.1 x 5.8)	1,348 x 810 x 148 (53.0 x 31.8 x 5.8)	1,600 x 980 x 217 (62.9 x 38.5 x 8.5)	1,810 x 1,085 x 250 (71.2 x 42.7 x 9.8)
	Weight (kg/lbs)	Set	4.8 (10.6)	7.5 (16.5)	11.1 (24.4)	15.4 (33.9)	27.4 (60.4)	34.1 (75.1)
		Package	5.9 (13)	9.1 (20)	14 (30)	19.5 (42)	35.4 (78)	44.1 (97.2)
	VESA Mount (mm)		200 x 200		400 x 400			
	Protection Glass		N/A					
	Stand Type		Foot Stand (Optional)					
	Media Player Option Type		Embedded, SBB(Not Attachable)	Embedded, SBB(Attachable)			Embedded, SBB(Attachable), PIM(Attachable)	
	Bezel Width (mm/in.) Top/Side		10.5 (0.4)	9.5 (0.3)			18 (0.7)	12 (0.4)
	Bezel Width (mm/in.) Bottom		15 (0.5)	15 (0.5)			23.5 (0.9)	17.3 (0.6)

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Specifications

			DM32E	DM40E DM48E DM55E DM65E DM75E
Operation	Operating Temperature		0°C ~ 40°C	
	Humidity		10~80%	
Feature	Key		Slim & Light SMART Signage with Built-in MagicInfo Player S3	
	Special	H/W	Super Clear Coating, Temperature Sensor, Pivot Display, Clock Battery(168hrs Clock Keeping), Built in Speaker(10W x 1), WiFi Module Embedded, SD Card Slot, Tuner(only for NA, KR)	Super Clear Coating, Temperature Sensor, Video Wall(15x15), Pivot Display, Clock Battery(168hrs Clock Keeping), Built in Speaker(10W x 2), WiFi Module Embedded, SD Card Slot, Tuner(only for NA, KR)
		S/W	Magic Clone(to USB), Auto Source Switching & Recovery, RS232C/RJ45 MDC,Plug and Play, PIP/PBP, Image Rotation, Button Lock, Built In MagicInfo Player S3, Firmware Update by Network, SMART Signage New Home Screen, Predefined Template for Vertical Usage, Multi Channel, Mobile Control, Event Schedule, Backup Player, PC-less Touch, MagicPresenter	Magic Clone(to USB), Auto Source Switching & Recovery, RS232C/RJ45 MDC,Plug and Play, PIP/PBP, Image Rotation, Button Lock, DP 1.2 Digital Daisy Chain(HDCP Support), Built In MagicInfo Player S3, Firmware Update by Network, SMART Signage New Home Screen, PC-less VideoWall, Predefined Template for Vertical Usage, Multi Channel, Mobile Control, Event Schedule, Backup Player, PC-less Touch, MagicPresenter
	Internal Player (Embedded H/W)	Processor	Cortex®-A9 1GHz Quad Core CPU	
		On-Chip Cache Memory	L1 (I/D) : 32KB / 32KB L2 (Unified) : 1MB	
		Clock Speed	1GHz CPU Quad	
		Main Memory Interface	1.5GB Dual 48bit DDR3-933 (1,866MHz)	
		Graphics	2D & 3D Graphics Engine - Up to 1,920 x 1,080. 32bpp - Supports OpenGL ES®	
		Storage	8GB (2.65GB Occupied by O/S, 5.35GB Available)	
		Multimedia	Video Decoder - MPEG-1/2, H.264/AVC (Dual) - VC-1, JPEG, PNG,VP8 Audio DSP (Decoder) - AC3 (DD), MPEG, DTS and etc.	
		IO Ports	USB 2.0	
		Operating System	Linux®	

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Specifications

			DM32E	DM40E	DM48E	DM55E	DM65E	DM75E
Certification	Safety		CB (Europe) : IEC60950-1/EN60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : PSB+IEC60950-1 NOM (Mexico) : NOM-001-SCFI-1993 IRAM (Argentina) : IRAM+IEC60950-1 SASO (Saudi Arabia) : SASO+IEC60950-1 BIS(India) : IEC60950-1 / IS13252 NOM(Mexico) Tuner : NOM-001-SCFI-1993, Tunerless : NOM-019-SCFI-1998 KC(Korea) : K 60950-1 EAC(Russia) : EAC+IEC60950-1 INMETRO(Brazil) : INMETRO+IEC60950-1 BSMI(Taiwan) : BSMI+IEC60950-1 RCM(Australia) : IEC60950-1/AS/NZS 60950-1 CSA (Canada) : cUL UL(USA) : cUL60950-1 TUV (Germany) : CE NEMKO (Norway) : CE	CB (Europe) : IEC60950-1/EN60950-1 UL(USA) : cUL60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : PSB+IEC60950-1 NOM(Mexico) Tuner : NOM-001-SCFI-1993, Tunerless : NOM-019-SCFI-1998 KC(Korea) : K 60950-1 IRAM (Argentina) : IRAM+IEC60950-1 EAC(Russia) : EAC+IEC60950-1 INMETRO(Brazil) : INMETRO+IEC60950-1 SASO (Saudi Arabia) : SASO+IEC60950-1 BSMI(Taiwan) : BSMI+IEC60950-1 CSA (Canada) : cUL RCM(Australia) : IEC60950-1/AS/NZS 60950-1 BIS(India) : IEC60950-1 / IS13252 TUV (Germany) : CE NEMKO (Norway) : CE			CB (Europe) : IEC60950-1/ EN60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : PSB+IEC60950-1 NOM (Mexico) : NOM-001-SCFI-1993 IRAM (Argentina) : IRAM+IEC60950-1 SASO (Saudi Arabia) : SASO+IEC60950-1 BIS(India) : IEC60950-1/IS13252 NOM(Mexico) : Tuner : NOM-001-SCFI-1993 Tunerless : NOM-019-CFI-1998 KC(Korea) : K 60950-1 EAC(Russia) : EAC+IEC60950-1 INMETRO(Brazil) : INMETRO+IEC60950-1 BSMI(Taiwan) : BSMI+IEC60950-1 RCM(Australia) : IEC60950-1/ AS/NZS 60950-1 CSA (Canada) : cUL UL(USA) : cUL60950-1 TUV (Germany) : CE NEMKO (Norway) : CE	
	EMC		FCC (USA) Part 15, Subpart B Class A KCC/EK (Korea) : Tuner : KN13 / KN20 / Tunerless : KN22 / KN24 CE (Europe) : EN55022:2006+A1:2007 / EN55024:1998+A1:2001+A2:2003 VCCI (Japan) : VCCI V-3 /2010.04 Class A CCC(China) :GB9254-2008 / GB17625.1-2012 BSMI (Taiwan) : CNS13438 (ITE EMI) Class A / CNS13439 (AV EMI) / CNS14409 (AV EMS) / CNS14972 (Digital) C-Tick (Australia) : AS/NZS CISPR22:2009 GOST(Russia/CIS) : GOST R 51317 Series, GOST 22505-97, EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003					
	Environment		ENERGY STAR® 6.0 (USA)				N/A	
Accessories	Included		Quick Setup Guide, Regulatory Guide, Warranty Card, D-Sub cable, Power Cord, Remote Controller, Batteries, RS232C(IN) adapter, Cover-Jack, Screw (M3L8, 1EA) (M4L8, 4EA)				Quick Setup Guide, Regulatory Guide, Warranty Card, D-Sub cable, Power Cord, Remote Controller, Batteries, RS232C(IN) adapter, Cover-Jack	
	Optional	Stand	STN-L3240E		STN-L4655EE		STN-L6500E	STN-L7585F (New Stand)
		Mount	WMN4070SD, WMN450MD, WMN250MD		WMN4270SD, WMN450MD, WMN250MD, WMN4675MD		WMN4675MD, WMN4277SD, WMN6575SD	
		Specialty	CML400D (Ceiling Mount)		CML450D (Ceiling Mount)			
Media Player	CPU		SBB (Optional)				SBB (Optional), PIM (Optional)	
	N/B							
	S/B							
	GPU							
	FDM/HDD							
	Memory							
	Ethernet							
	Connectivity	USB						
		Output						
		Others						

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