



Key Features



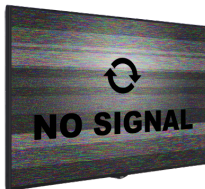
Display Control

Digital Signage Display SoC enables the users to control our displays using RS232 commands in a Local Area Network. Together with the full RS232 command list you can change/set volume, turn on/off the monitor, set a schedule for content display, set a webpage link to be displayed and give a wide range of commands in real-time.



Open Platform Support

Our SoC supports API (Application Programming Interface) for solution providers/integrators to develop and integrate any HTML5-based to be installed and used on our displays.



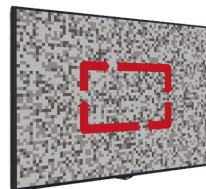
Signal Failover

Our SoC Software has a protection for "No Signal" scenario. If the USB is unplugged after your content is set to be displayed with USB, the display will either show your customized banner or search for any other signal from other sources (HDMI, Display Port, etc.). This failover protection is constructed for higher user experience.



External Device Connections

You may want to connect your teleconference system, screen sharing system, set-top box or external PCs via HDMI port. For this purposes, our monitors help you to maximize user experience with HDMI CEC (Consumer Electronics Control) and HDMI Hotplug capabilities.



Pixel Shifting

Pixel Shifting is designed to be activated inside the SoC in order to prevent for potential risk of image sticking, caused by constant content. With this feature turned on, pixels on the screen will move in an interval while causing no interference of visual experience.



Subtle Design

This series' displays exhibit ultra narrow bezel design eliminating the visual superfluities, directing audience focus on your advertised content. This series is found to be desirable for digital signage specific design: internal usb cover, detachable power plug and IR extender.

Panel

Screen Size	86"	Panel Technology	IPS
Backlight Type	DLED	Brightness (typical)	400 cd/m²
Native Resolution	3840 x 2160 (16:9) - UHD	Contrast Ratio (typical)	1200:1 (typ.)
Dynamic Contrast Ratio	40000:1	Panel Life Time (Min.)	30000 Hrs
Response Time (typical)	8 ms	Active Area (H x V)	1895 (H) x 1066 (V) mm
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	Color Value	1.07G (8bits + FRC)
Color Gamut	72% NTSC	Haze Level	25%
Refresh Rate	60 Hz	Orientation	Landscape
Operation Hours	24/7	Area of Usage	Indoor

Built-in System

Mainboard Model	17MB400VS	Operating System	Android 9
Memory	2 GB DDR4	Storage	16 GB eMMC
Additional Storage	Micro SD (up to 1TB)	CPU	Quad-Core ARM Cortex-A55
GPU	ARM Mali-G31 MP2	Wired	10/100/1000 Mbps Ethernet, IEEE 802.1X Authentication
WiFi	WiFi 5 (802.11 a/b/g/n/ac), IEEE 802.1X Authentication	Bluetooth	BT 5.1
HTML5 Browser	Vewd	Wireless Display	Miracast

Monitor Connectivity

Video Input	4xHDMI2.0, 1xUSB-A 3.0, 1xUSB-A 2.0, 1xUSB-A 2.0 (Internal), 1x Micro USB	Video Output	1xHDMI2.0
Audio Output	Headphone, Optic SPDIF	External Control	RS232 (3.5mm jack green), Gigabit Ethernet (RJ45), Service (RJ12)
External Sensor	RJ12		

Mechanical

Product Dimensions (WxDxH)	1962 x 79 x 1133 mm	Package Dimensions (WxDxH)	2163 x 380 x 1490 mm
Product Weight	62 kg	Package Weight	83 kg
Vesa Mounting	800 (W) x 600 (H) mm M8	Bezel Width	B/T/L/R: 25 mm

Environmental Conditions

Operating Temperature	0-40°C	Operating Humidity	10-90%
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Power

Power Supply	110 VAC - 240 VAC - 50/60 Hz
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Power Consumption

Typical	TBD	Maximum	400 W
Deep Standby	≤0.5 W		

Features

Main Features	HTML5 CMS Launcher, Android CMS Launcher, Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock, OSD and UI Rotation, Video Rotation, NoSignalPowerOff, Pixel shift, Scheduler, Videowall support, Remote control via LAN, Real Time Clock, Crestron Connected, SNMP	Mechanical Features	Joystick, Rocker Switch, Detachable Power Cable, Detachable Logo, Internal USB Cover
	Speaker		2x12 W

Accessory

Standard	QSG, IB, Power cord, Remote control unit, RC battery, Mounting kit, IR extender cable				
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Certification

Safety	Yes	EMC	Yes
CE	Yes		