



Key Features



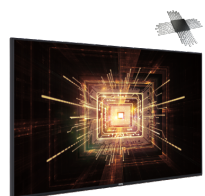
Display Control

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.



SoC Content Management

With quad core SoC (System on Chip), this Series displays are the digital signage monitors for both offline designed content and cloud-based managed content. This helps your digital content to be displayed in the displays by content management systems.



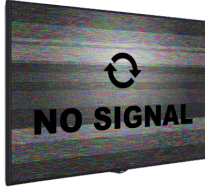
External Device Connections

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

The Pixel Shifting feature can be activated in order to reduce the potential risk of image sticking when static content is displayed over long periods of time. The feature periodically shifts the image on the display, without causing any interference of the visual experience.



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.

Panel

Screen Size	32"	Panel Technology	VA
Backlight Type	DLED	Brightness (typical)	450 cd/m²
Native Resolution	1920 x 1080 (16:9) - FHD	Contrast Ratio (typical)	3000:1 (typ.)
Dynamic Contrast Ratio	35000:1	Panel Life Time (Min.)	50000 Hrs
Response Time (typical)	9.5 ms	Active Area (H x V)	698.40 x 392.8 mm
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	Color Value	16.7M
Color Gamut	68% NTSC	Haze Level	3%
Refresh Rate	60 Hz	Orientation	Landscape / Portrait
Operation Hours	24/7	Area of Usage	Indoor

Built-in System

Mainboard Model	17MB450VS	Operating System	Custom OS (built on Android AOSP)
Memory	2 GB DDR4	Storage	16 GB eMMC
CPU	Quad-Core ARM Cortex-A55	GPU	ARM Mali-G31 MP2
Wired	10/100 Mbps Ethernet	WiFi	WiFi 5 (802.11 a/b/g/n/ac)
HTML5 Browser	Vewd		

Monitor Connectivity

Video Input	2xHDMI2.0, 1xUSB-A 3.0, 1xUSB-A 2.0	Video Output	1xHDMI2.0
External Control	RS232 (3.5mm jack green), Fast Ethernet (RJ45), Service (RJ12)		

Mechanical

Product Dimensions (WxDxH)	734 x 78 x 435 mm	Package Dimensions (WxDxH)	795 x 128 x 530 mm
Product Weight	4.5 kg	Package Weight	6 kg
Vesa Mounting	75 x 75 mm M4	Bezel Width	B:21, T/ L/R:14 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	32 W	Maximum	65 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, SNMP		
	Mechanical Features		Joystick, Fixed IR lens, Rocker Switch, Detachable Power Cable
Speaker	2x6 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		