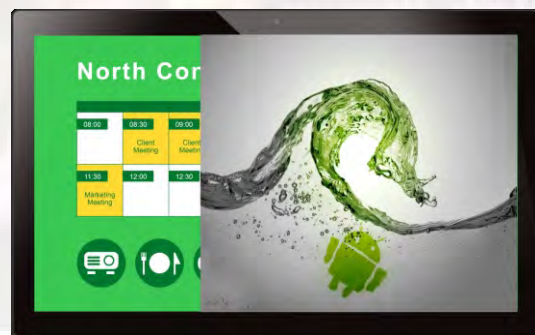


SCMS2248R2 - 21.5" Smart CMS (Commercial Multimedia Service) System

Digital Signage/ Kiosk/ Ordering/ Panel Computing

- **Commercial multi-functional service system**
All-in-One design to fullfill various applications
can be applied to applications like hospitality, digital signage, kiosk, panel computing, integrated with Barcode scanner, NFC, HID, MSR, or external SCR and Thermal Printer
- **Enhanced Content Management & Remote CPE Management**
features enable easy management
- **Full function CMS system with Quad-Core Cortex-A17 CPU up to 1.8GHz**
WiFi, Bluetooth embedded, and optional external WAN module supported
- **Reliable Digital Signage and Kiosk for small-middle scenario with P.Cap touch**
Store, super market, department store, museum, meeting room, public area,
- **Commercial Panel Computing for auto-control**
Meeting room, demo room, security applications, access control, surveillance system.....



Feature - enhanced Signage management

■ CMS*Watch* (remote SCMS devices management)

CMSWatch monitors the status of Smart CMS devices (Smart Commercial Multimedia Service/System) and manages its configuration. It does not provide CMS features, such as playlist management, scheduling, screen layout, and content creation.

CMSWatch can do -
Device intelligence
Player management
Technical support

- predictive maintenance
- Heart beat / Screenshot
- Troubleshooting / Configuration
- most of time spent in collecting device activities logs

CMSWatch key features -
User-intuitive interface for player status management
watch what is playing on the remote players
Remotely configure SCMS or update firmware

■ CMS*Express* (local SCMS devices content management)

CMSExpress is a bundle CMS software with all SCMS* (Smart CMS) devices – an elementary, easy-to-use tool that everyone can leverage for simple demonstration, concept development and a quick run-through of all SCMS models within same LAN to ensure all hardware specs are in place

CMSExpress features -

- A simple software to building presentation
- It is flexible to build various types of presentation.
- Auto-discovery all SCMS devices within the same LAN,.

CMSExpress advanced features -

- Update firmware on remote SCMS devices
- Configure remote SCMS devices
- Manage display on/off on remote SCMS devices
- Manage bar light of remote SCMS devices
- To synchronize playback content on all devices in same play list.



Specification I

ITEM	DETAILED			
System				
SOC	RK3288, Quad Core Cortex-A17 CPU; up to 1.8GHz			
	ARM Mali-T764 GPU, up to 600MHz 4K H.264 and 10bits H.265 video decode, 1080P multi video decode		/ Support OpenGL ES1.1/2.0/3.0, Open VG1.1, OpenCL, DirectX11 / 1080P video encoding for H.264 and VP8, MVC	
OS	Android 7.1			
Display	21.5" (16:9) FHD 1920* 1080 TFT LCD display		Brightness : 250 nits	/ Viewing angle (H/V): 178/178
	Programable LED light bar * 2		/ Right & Left side on device	/ generat various light color
Memory	2GB DDR3 (1GB optional, TBD)		/ 8GB eMMC (16/32GB option, TBD)	/ SD Card slot (standard, up to 64GB)
Multimedia	Video decode		/ H.264/AVC, H.265/AVC, MPEG-4/2/1, VC-1 up to 1080P	
	encode		/ 1080P H.264 and VP8	
	Audio		/ MP1,2,3, WMA, WAV, APE, OGG, FLAC, AAC/ MP3 up to 320 kbps	
	Picture		/ JPG, PNG up to 1080P	
Connectivity				
WWAN	External 4G USB dongle (optional)		/ via external USB module	
WiFi / Bluetooth	WiFi 802.11 b/g/n		/ BT4.0	
LAN	RJ45 Ethernet, 10/100 Mbps LAN		/ POE (optional)	
Advanced Signage Features				
CMSWatch	Remote device management			
	3rd parties CMS solution		(optional license)	
CMSExpress	LAN content management			
Peripherals				
Camera	Front: 2.0 MP camera		(customized optional, to be discussed)	
Audio	Embedded speaker 8Ω / 2W* 2 \ Amplifier : 2.1W+2.1W		/ 3.5mm Headset + MIC jack* 1	
Sensor	G Sensor			
Other H/W	Vesa mount : Metal-fittings mounting screw hole places			
Functional keys	Power button			
Optional Module	2D/1D barcode reader		(customized optional, to be discussed)	
	NFC module		(optional)	
	HID module		(optional)	
	MSR Reader		(To be discussed about requirement)	
	External (BT/ USB) thermal printer		(To be discussed about requirement)	
	External (BT/ USB) Smart Card Reader		(To be discussed about requirement)	

Specification II

ITEM	DETAILED			
I/O Ports				
USB Port	* 3, USB 2.0 host, type A female connector		/ Support up to 64GB U-Disk	
	* 1, Mini USB 2.0 female connector			
SD card Slot	* 1, SD slot (SDHC class 10 compatible)		/ up to 64GB	
DC-In	* 1, 3.5mm DC-In jack, up to 12V/ 3A			
Power System				
DC-Input:	DC 12V +/- 5%, 3A Max.			
Mechanical & Environmental				
Dimension / Wight	538* 331* 37 mm	/ Weight : 3.83 kg	/ Material : metal	
Operating Temp.	-0℃ ~ 40℃ (32℉ ~ 104℉)			
Storage Temp.	- 20℃ ~ 60℃ (- 4℉ ~ 140℉)			
Operating Humidity	10% ~ 85% (40℃)			
Mounting Solutions	1) Vesa Mounting : Built-in VESA MIS-D 100* 100 mm mounting points			
	2) Stand mount			
	3) Wall mount			
Regulation Compliance	FCC certified	/ CE certified	/ ROHS complied	
Default Accessory	AC 100~240Vac, 50~60Hz; DC 12V/2A, Adapter & power cord		/ Quick Guide	/ Brown box
Packaging	1PCS packaging box :	Dimension:	/ Weight: 5.8 kg (box + device + power adpater & cord + IO bracket)	
	5PCS packaging box	Dimension:	/ Weight: (5 sets contained)	



Bottom

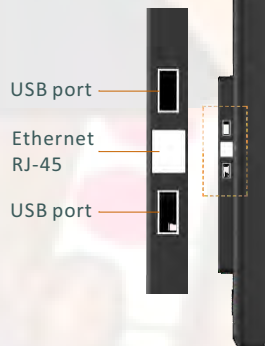


Physical Specification

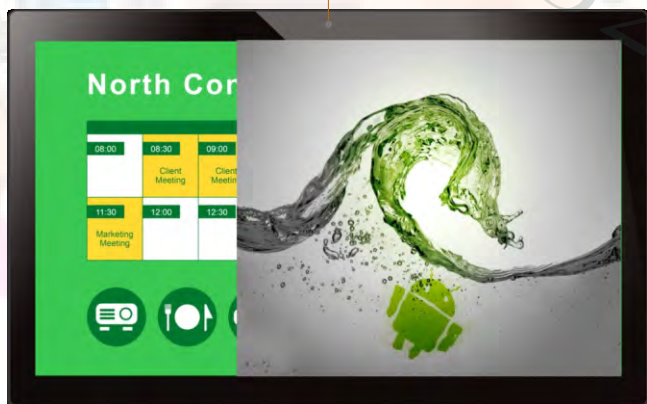
Top -



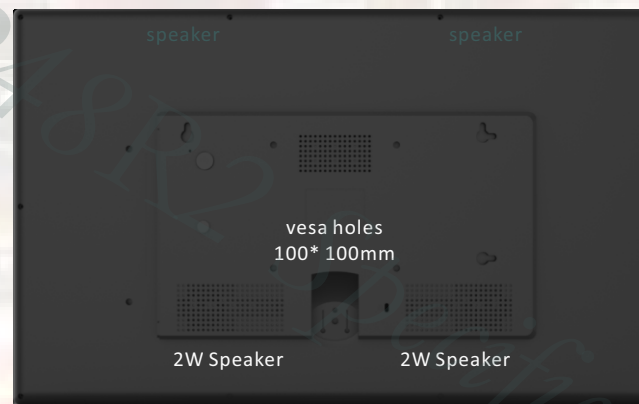
Left -



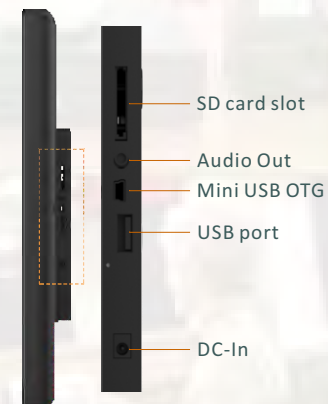
Front -



Rear -



Right -



Bottom -



Application Concept I - Hospitality/Restaurant



Preview menu in restaurant



Self-ordering



Menu & Introduction in restaurant

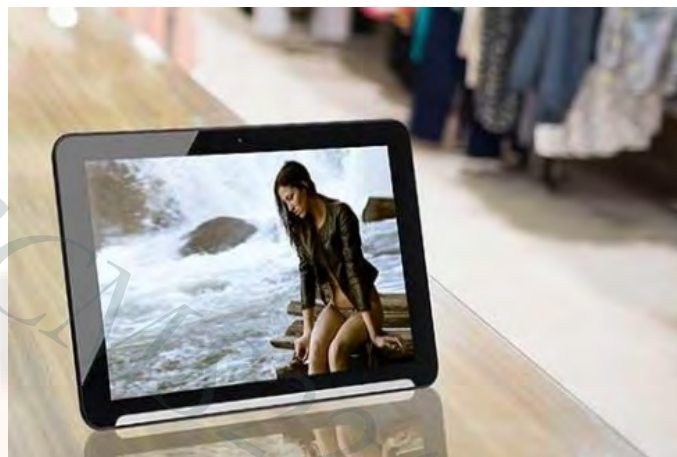


Entertainment/
Advertisement
Menu & Ordering in bar

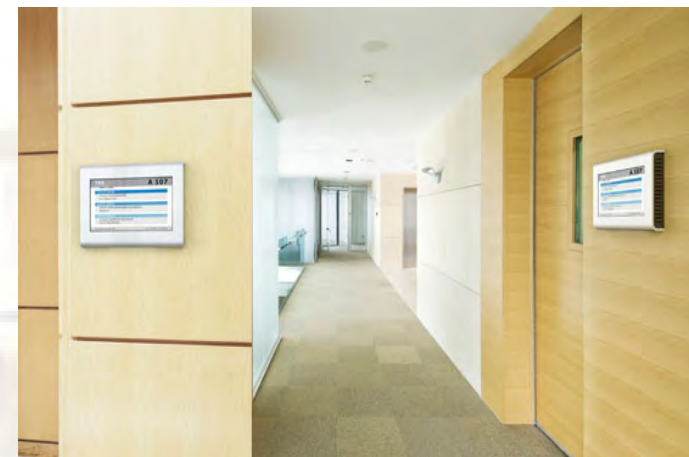
Application Concept II - Digital Signage



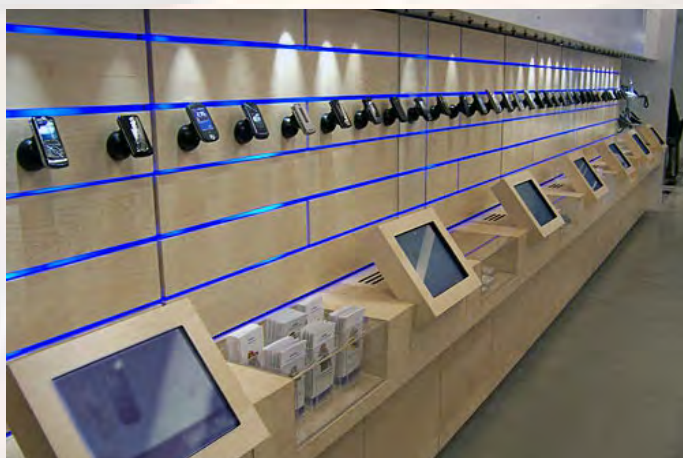
In bus/train Digital Signage



In-Store marketing in fashion store



Digital Signage in Conf room



In-Store Digital Signage for product information



SCMS Family



Retailed-Store Digital Signage

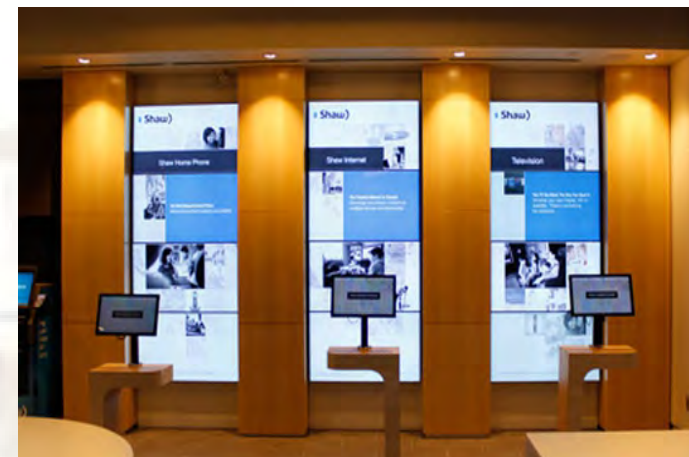
Application Concept III - Digital Kiosk



Exhibition Registration/ Internet kiosk



Kiosk Listing



Remote Kiosk/ Signage



Electronic Kiosk in Information Station



SCMS Family

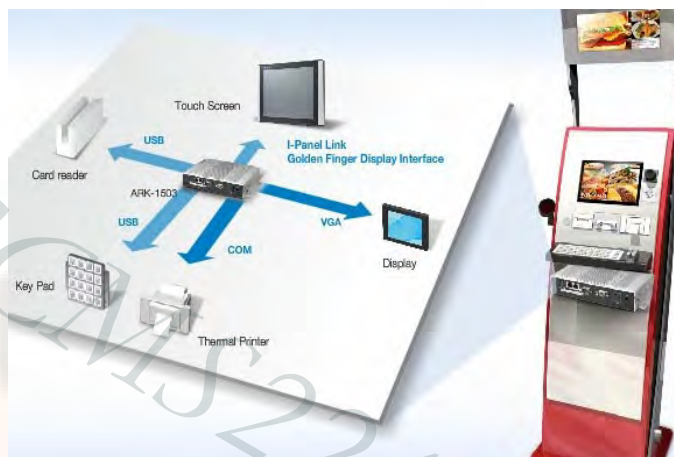


In-Store marketing at touch display

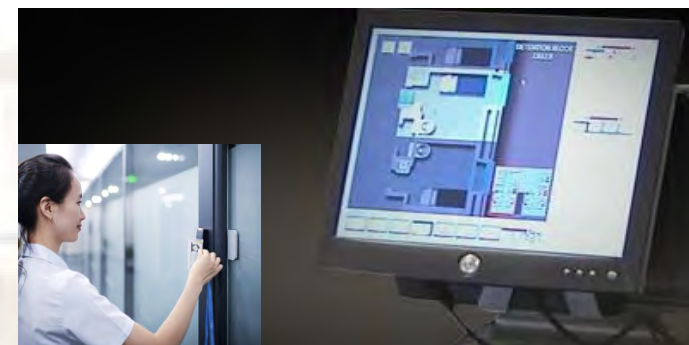
Application Concept IV - Panel Computing



Commercial Controller



Kiosk Controller



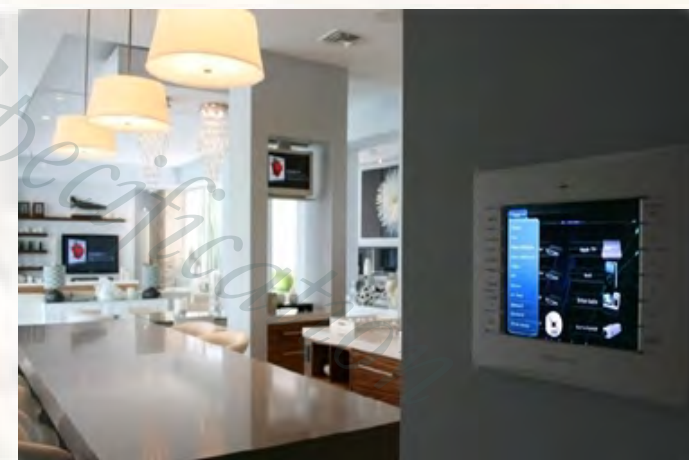
Building Automation & Security



In-Station e-Ticketing



Touch & Control your Digital Life



Smart Home & Surveillance