# SCMS1548R2 - 15.6" Smart CMS (Commercial Multimedia Service) System
## Digital Signage/ Kiosk/ ePOS/ Panel Computing

■ **Commercial multi-functional service system**
**All-in-One design to fullfill various applications**
can be applied to applications like digital signage, kiosk, ePOS, panel computing, integrated with Barcode scanner, NFC, HID, MSR, or external SCR and Thermal Printer

■ **Enhanced Content Management & Central CPE Management features enabled**

■ **Full function CMS system with Quad-Core Cortax-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, ......

■ **ePOS for small store with Barcode scanner, MSR, NFC and/or Thermal printer**
Integrated MSR, NFC or Barcode scanner, plus external thermal printer for club, lounge, temporary store ......

■ **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 )

CMS*Watch* 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.

### CMS*Watch* can do -

| | |
|---|---|
| Device intelligence | - predictive maintenance |
| Player management | - Heart beat    / Screenshot |
| |   Troubleshooting / Configuration |
| Technical support | - most of time spent in collecting |
| |   device activities logs |

### CMS*Watch* key features -

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

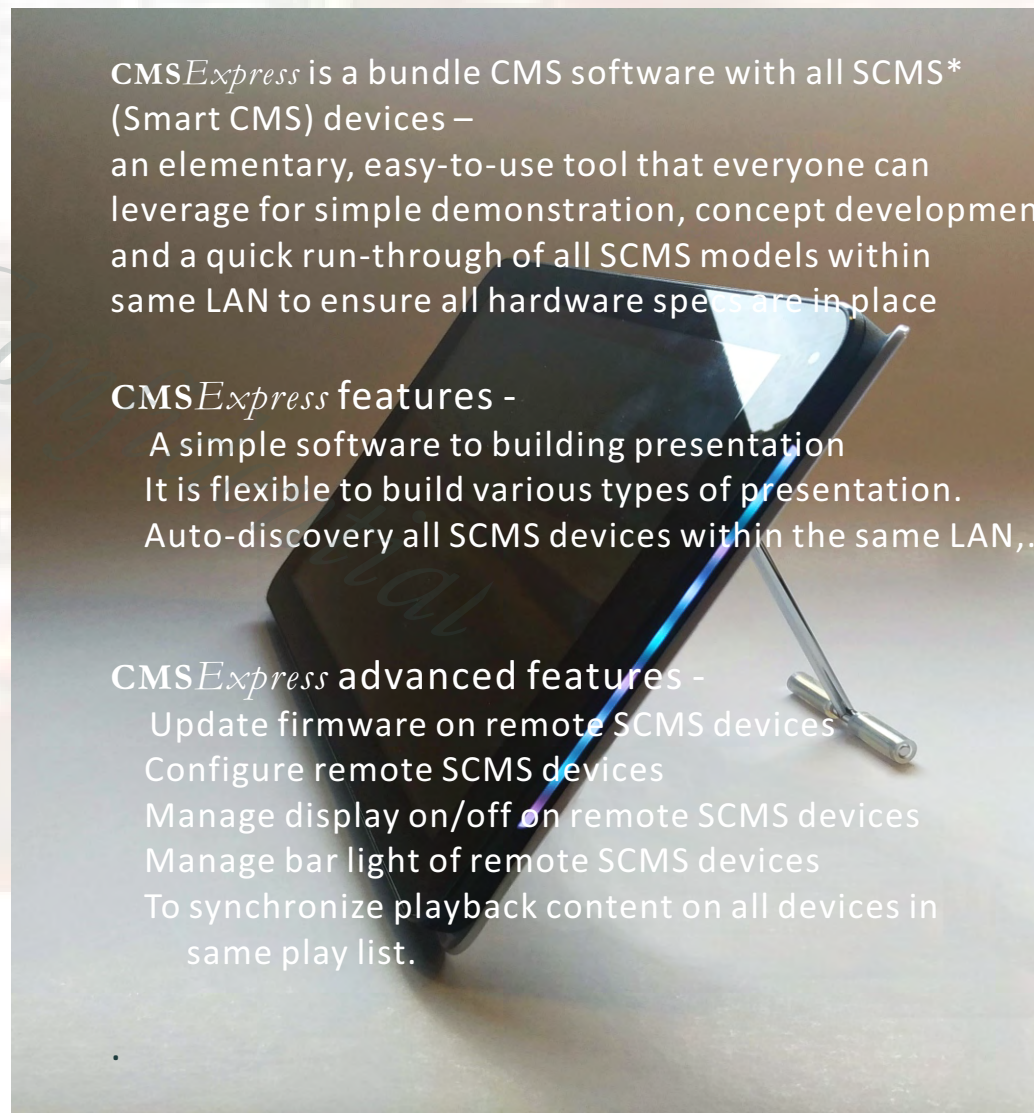## ▪ CMS*Express* 🌳
### ( local SCMS devices content management )

CMS*Express* 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

### CMS*Express* 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,.

### CMS*Express* 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
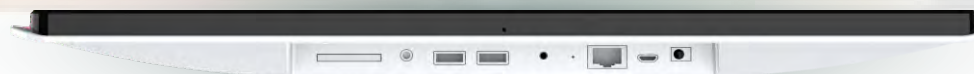To synchronize playback content on all devices in same play list.

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# Specification I

| ITEM | | DETAILED | | |
|---|---|---|---|---|
| **System** | | | | |
| SOC | | RK3288, Quad Core Cortax-A17 CPU; up to 1.8GHz | | |
| | | ARM Mali-T764 GPU, up to 600MHz | / Support OpenGL ES1.1/2.0/3.0, Open VG1.1, OpenCL, DirectX11 | |
| | | 4K H.264 and 10bits H.265 video decode, 1080P multi video decode | / 1080P video encoding for H.264 and VP8, MVC | |
| OS | | Android 7.1 | | |
| Display | | 15.6" (16:9) FHD 1920* 1080 TFT LCD display | / Brightness : 300 nits | / 10 points Projected Capacitive Touch Screen |
| | | 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 | | / H.263,AVS,MVC |
| | 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** | | | | |
| Remote devices & content Management | | Remote commissioning | | |
| | | AlwaysOn, AppLock to prevent unauthorizedaccess | | ( optional license ) |
| | | StrongCache for continuous playback evenwhen network is not available | | |
| Signage Content and device management | | CMS express Applications | | |
| | | 3rd parties CMS solution | | ( optional license ) |
| **Peripherals** | | | | |
| Camera | | Front: 2.0 MP camera | ( customized optional, to be discussed ) | |
| Audio | | Embedded speaker 8Ù/ 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

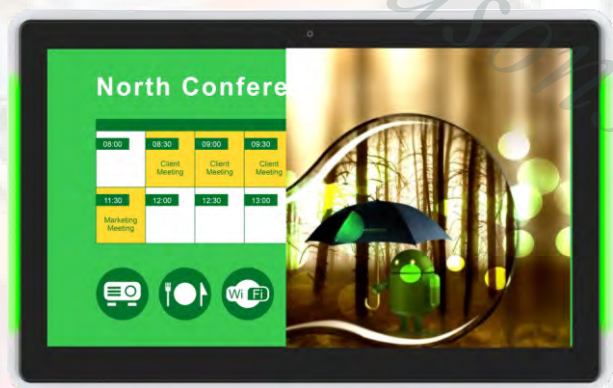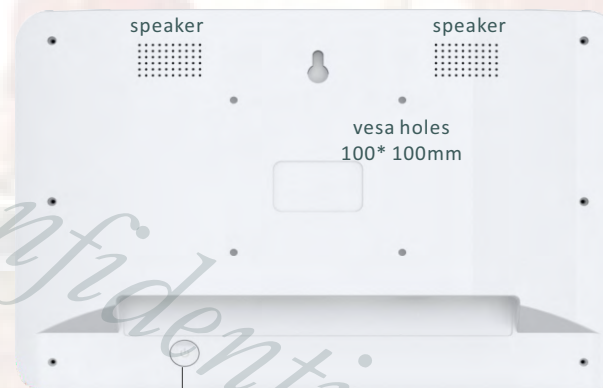| ITEM | DETAILED | | | |
|---|---|---|---|---|
| **I/O Ports** | | | | |
| USB Port | * 2, USB 2.0 host, type A female connector | | / Support up to 64GB U-Disk | |
| | * 1, Micro USB 2.0 female connector | | | |
| SD card Slot | * 1, SD slot ( SDHC class 10 compatible ) | | | |
| DC-In | * 1, 3.5mm DC-In jack, 12V/ 2A | | | |
| | | | | |
| **Power System** | | | | |
| DC-Input: | DC 12V +/- 5%, 2A Max. | | | |
| LED Indicator | * 2, LED light bar on right & left front pane | / RGB to support various default color and customized color | | |
| | | | | |
| **Mechanical & Environmental** | | | | |
| Dimension / Wight | 402* 253* 30 mm ( 15.82" x 9.96" x 1.19" ) | / Weight : 1320g ( 2.917 lb ) | / Material : PC + ABS plastic | |
| Operating Temp. | - 0℃ ~ 40℃ (32℉ ~ 104℉) | | | |
| Storage Temp. | - 20℃ ~ 60℃ ( - 4℉ ~ 140℉) | | | |
| Operating Humidity | 10% ~ 85% ( 40℃ ) | | | |
| Mounting Solutions | 1) Vesa Mounting : Metal fittering Mount Screw holes: 75* 75 mm | | | |
| | 2) Stand mount | | | |
| | 3) Shelf mount | | | |
| | 4) Wall mount | | | |
| | | | | |
| **Regulation Compliance** | FCC certified | / CE certified | / ROHS complied | |
| | | | | |
| **Default Accessory** | AC 100~240Vac, 50~60Hz; DC 12V/2A, AC/DC Adapter & power cord ( 170g +/- 5g if with US type ) | | | / Brown box |
| | | | | |
| **Packaging** | 1PCS packaging box : | Dimension: 493* 303* 70mm | / Weight: 2,000g +/- 10g ( box + device + power adpater & cord ) | |
| | 5PCS packaging box | Dimension: | / Weight: ( 5 sets contained ) | |

# Physical Specification

**Top -**

**Left -**

**Front -**

North Confere

**Rear -**

speaker          speaker

vesa holes
100* 100mm

Power button

**Right -**

**Bottom -**

Micro SD slot

Audio Jack

USB port* 2

Reset

Flush mount bracket screw

DC-In

Micro USB

RJ45-ethernet

to be discussed

to be discussed

to be discussed

# Application Concept I - Hospitality/Restaurant & ePOS



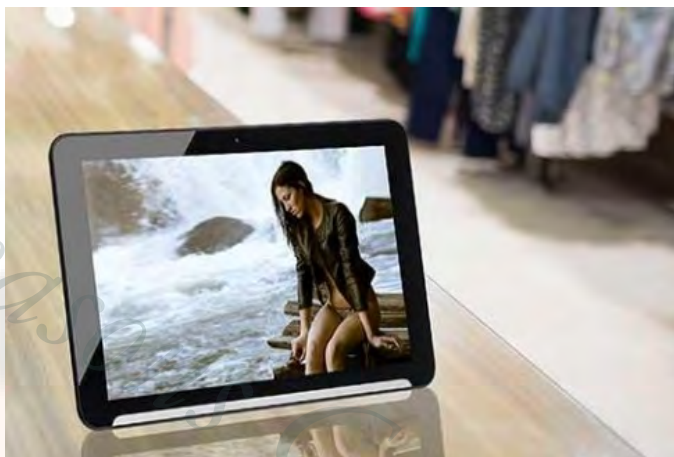ePOS

Preview menu in restaurant



Self-ordering in restaurant



Entertainment/ Advertisement
Menu & Ordering in bar

# Application Concept II - Digital Signage

In bus/train Digital Signage



In-Store marketing in fashion store
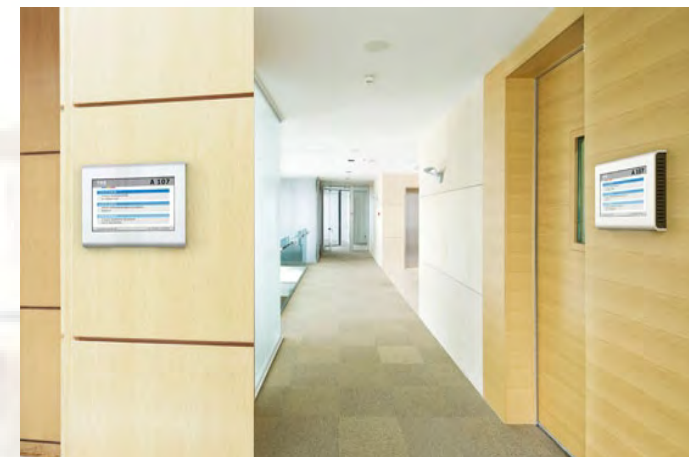


Digital Signage in Conf room
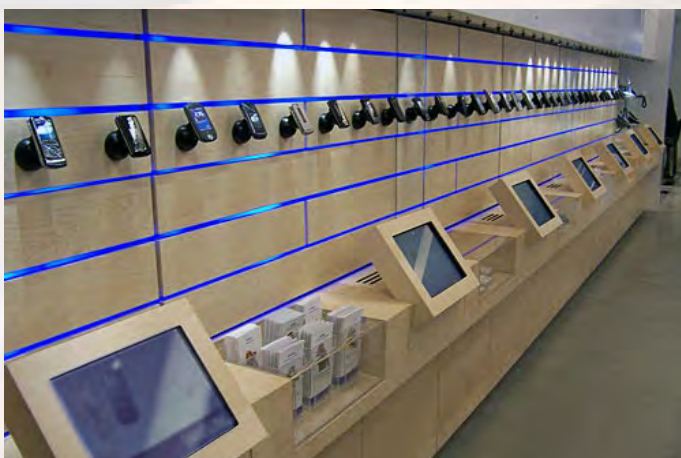


In-Store Digital Signage for product information
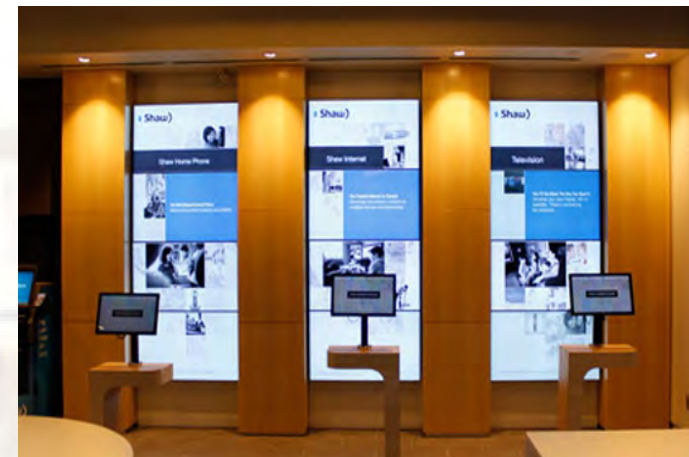


SCMS Family



Retailed-Store Digital Signage

# Application Concept III - Digital Kiosk



Exhibition Registration/ Internet kiosk



Kiosk Listing



Remote Kiosk/ Signage



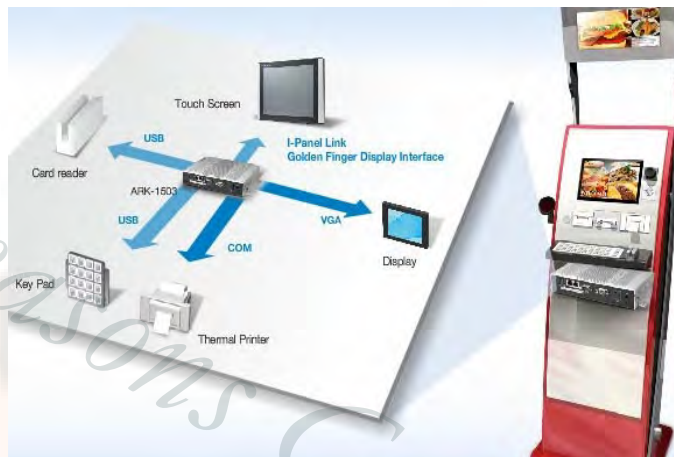Electronic Kiosk in Information Station



SCMS Family



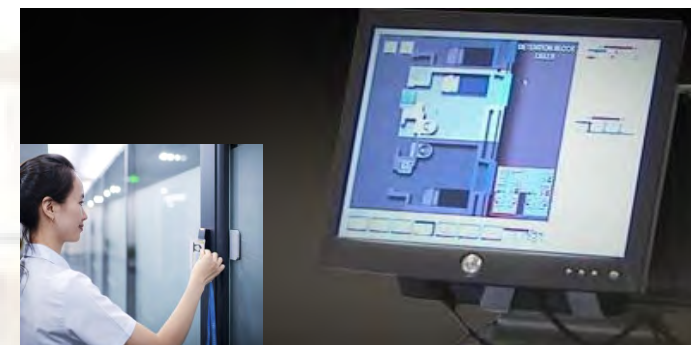In-Store marketing at touch display

# Application Concept IV - Panel Computing
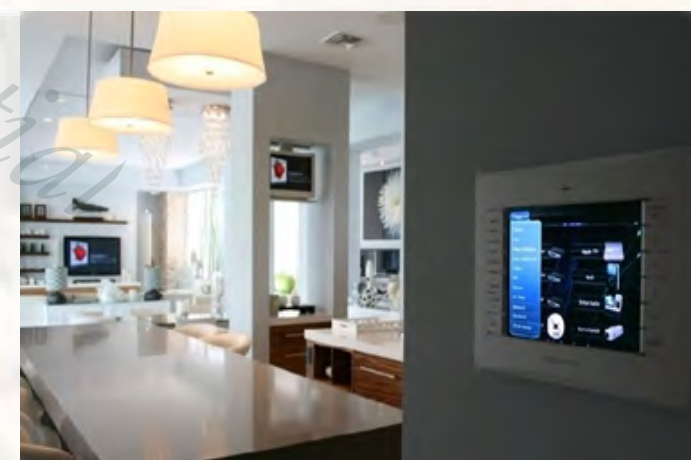

Commercial Controller


Kiosk Controller


Building Automation & Security


In-Station e-Ticketing


Touch & Control your Digital Life


Smart Home & Surveillance