

LONGSHINE Technologie GmbH

11.6" Android Digital Signage

Model: LCS-12P-RM

Version 0.2-20171208



Note: Information and specification are subject to change without prior notice

Basic Specification:

Display	TFT LCD	11.6 inch configuration
	Number of Pixel	1920 RGB (H) x 1080(V)
	Back-light	LED Side-light type
Media format	Video	MKV, TS, FLV, AVI, VOB, MPG, DAT, ASF, RM, MOV, 3GP, MP4, WMV
	Audio	MP3, WMA, WAV, AAC, OGG, ASF
	Picture	JPG, BMP, GIF
I/O	SD card slot	SD card (SDHC Class10 compatible)
	USB	USB 2.0 host type A×3
	Micro USB	Micro USB 2.0 × 1
	Add-on Module Slot	USB 2.0 x 1
Speaker	High quality speaker	2W 8Ω×2, Amplifier 1.25Wx2
Power	DC adapter	12V/2A DC adapter
Wireless Communication	Wi-Fi	802.11 a/b/g/n/ac
	Bluetooth	BT4.2
Ethernet	RJ45	10/100/1000 Mbps LAN
	POE	Power Over Ethernet (optional)
Camera	Front	Front: 2M pixels (optional)
Function keys	Key button	+, -, Up, Down, Exit

Detail Specification:

• Hardware

CPU

- Cortex-A17, Quad Core, up to 1.6GHz

GCPU

- Mali-T764, with TE, ASTC, AFBC technology

System Memory

- 2GB DDR3 SDRAM

• Internal Storage Memory

- 8GB eMMC



- **External Storage Memory**

- SD Card (SDHC Class10 compatible)

- **LCD**

- 11.6" 1920x1080 digital TFT LCD

- **Touch Panel Type**

- 10 point capacitive multi-touch type

- **Amplifier, Speaker**

- Speaker unit: **MAX** 2W+2W
- Amplifier **MAX** 1.25+1.25W
- Save the set-up volume and keep the value at the time of power off and on.

- **Clock Battery (for RTC)**

- Lithium-ion non-rechargeable coin battery

- **LED**

- Power supply ON: Red then turn Green after kernel boot up.
- Power supply OFF: LED light off

- **Wireless Communication Specification**

- Wi-Fi: IEEE 802.11a/b/g/n/ac
- Bluetooth 4.2

- **Ethernet Communication Specification**

- 10/100/1000Mbps LAN RJ45 built-in
- POE (optional)

- **External Interface**

- SD card slot
- Key button (+, -, Up, Down, Exit)
- USB interface:
 - USB host type A port (USB 2.0 high speed 480Mbps) x 3**
 - Micro USB port (USB 2.0 high speed 480Mbps) x 1
 - Add-on Module slot (USB 2.0 interface high speed 480Mbps) x 1**
- Ethernet RJ45 10/100/1000 Mbps connector
- Power switch
- DC adapter port
- Metal-fittings mounting screw holes: 75x75mm VESA mount
- Headset audio port

• Case Outlook

- Front



1. Camera + Light Sensor (optional)

- Top



2. LED
3. SD card slot + cover
4. Exit button
5. Function keys (up/down)
6. Function keys (Vol+ / Vol-)

- Back (TBD)

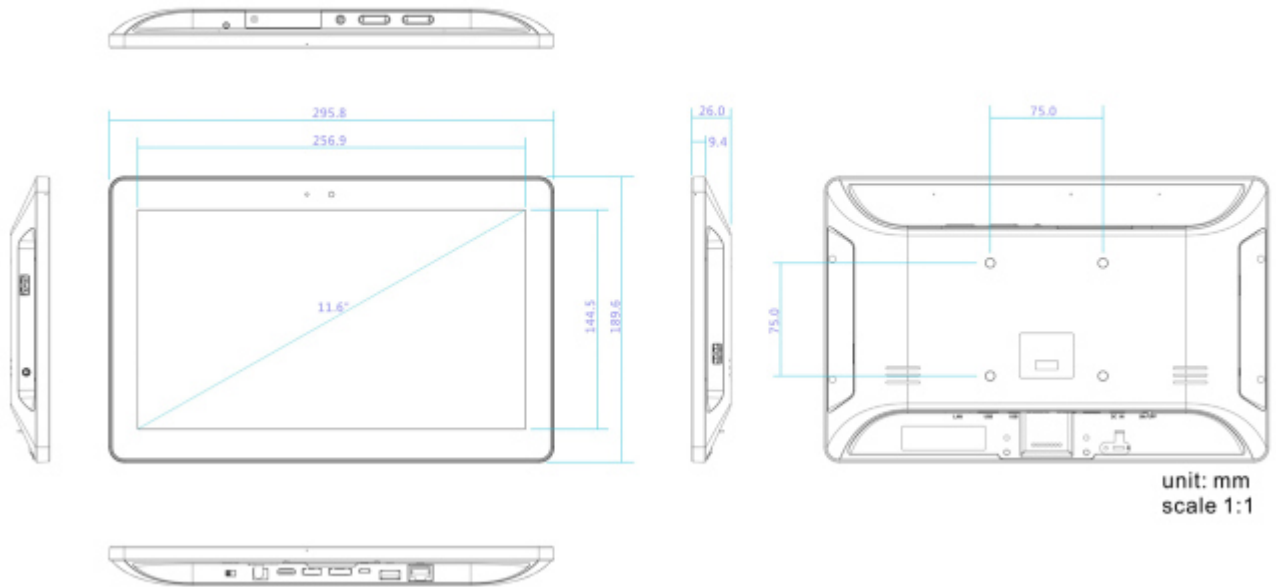
- 7. Speakers
- 8. VESA mounting holes (75x75mm)
- 9. DC in
- 10. Add-on Module Slot



- **Case Dimensions**

- The case dimension: (estimation)

12P-RM CONCEPT



Width: 295.8mm

Height: 189.6mm

Depth: 26.0mm

- **Weight**

- TBD (main body only, excluding AC adapter and metal bracket)

- **Housing Design**

- Body and cover are in black color.

- **Housing Material**

- Body: ABS+PC

- **Power**

- Power consumption: 1KHz audio playback etc. about 20W MAX, OFF 0W

- Input power spec.: AC 100-240Vac, 2A max. 50-60Hz, DC 12V±5%

- **Environmental Correspondence**

- ROHS

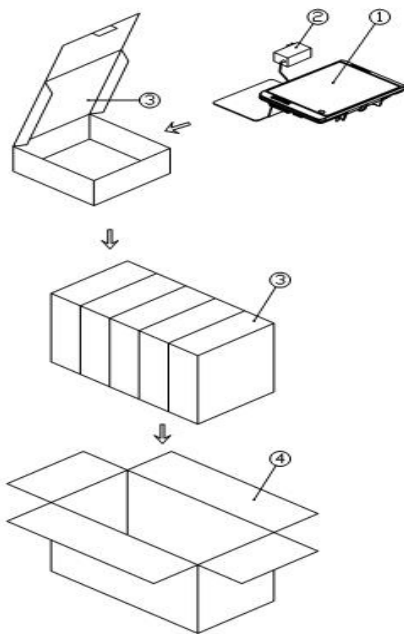
- **Shipment Form**
 - Appended goods



- AC adapter,
- Mounting bracket (screwed on body, optional),

- **Packaging Specification** (estimation)

- 1PCS packaging box dimension: (L)360mm x (W)235mm x (H)50mm
- 5PCS carton dimension: (L)370mm x (W)290mm x (H)260mm



1. Main body
2. AC adapter
3. 1PCS packaging box
4. 5PCS packaging carton

• **Software**

OS

- Android 6.0.1, Marshmallow.

Pre-installed Applications

App name	Description
BasicDreams.apk	Screensaver
Browser.apk	Android default Browser
Calculator.apk	Calculator
Calendar.apk	Calendar
Camera2.apk	Android Camera
CertInstaller.apk	Certificate Services
DeskClock.apk	Take alarm clock
DocumentsUI.apk	Document manager
DownloadProviderUi.apk	download management UI
Email.apk	Android default E-mail
Exchange2.apk	E-mail service
Galaxy4.apk	Live Wallpaper
Gallery2.apk	View Pictures
HTMLViewer.apk	HTML explorer
HoloSpiralWallpaper.apk	Wallpaper
KeyChain.apk	Key authentication
LatinIME.apk	Latin IME
Launcher3.apk	Native desktop
LiveWallpapers.apk	Live Wallpapers
LiveWallpapersPicker.apk	Live Wallpaper
MediaFloat.apk	Media
Music.apk	Music
Nfc.apk	NFC
NoiseField.apk	Live Wallpapers of Bubbles
OpenWnn.apk	Japanese IME
PacProcessor.apk	Connection
PhaseBeam.apk	Live Wallpaper app
PhotoTable.apk	Live Wallpaper
PicoTts.apk	Text speech convert engine
PinyinIME.apk	Pinyin IME
PrintSpooler.apk	Print spooler
Provision.apk	New device setup wizard
QuickSearchBox.apk	Search
Rk4kVideoPlayer.apk	Video player

RkApkinstaller.apk	APK installer
RkExplorer.apk	File explorer
RKUpdateService.apk	Update service
SoundRecorder.apk	sound recorder
UserDictionaryProvider.apk	The user data dictionary service
WAPPushManager.apk	Tethering connectivity
webview.apk	Android System Webview