

LONGSHINE Technologie GmbH

42.5" Android Digital Signage Display

Model: LCS-43PB-RM

Version 0.3-20200630



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

Basic Specification

Display	TFT LCD	43" (16:9 diagonal) LVDS LCD Panel
	Number of Pixel	1920 (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	MP2, WMA, WAV, AAC, OGG, ASF
	Picture	JPG, BMP, GIF
I/O	USB	USB 2.0 host type A×2
	Micro USB	Micro USB 2.0 × 1
	Add-on Module Slot	*2
	Cable Cover	*1 (optional)
Speaker	High quality speaker	3W×2. Amplifier : 1.25W*2
Power	AC IN	110V~240V AC IN, 2A
Wireless Communication	Wi-Fi	802.11 b/g/n/ac (optional)
	Bluetooth	BT4.2 (optional)
Ethernet	RJ45	10/100/1000Mbps LAN
Audio	Headset + microphone jack x 1	
	S/PDIF out x 1	
Function keys	Key button	Vol+, Vol -, Up, Down, Exit/Enter (when in recovery mode)

Detail Specification

Hardware

CPU

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

GCPU

- Mali-T764

System Memory

- 2GB/4GB DDR3 SDRAM (optional)

Internal Storage Memory

- 8GB/16GB/32GB eMMC (optional)

External Storage Memory

- SD Card (In on the Case ,SDHC Class10 compatible)

LCD

- 43" 1920x1080 digital TFT LCD

Touch Panel Type

- 10 point capacitive multi-touch type

Amplifier, Speaker

- Speaker unit: 3W+3W
- Amplifier 1.25W+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] , and [power supply OFF] modes are supported.
- Power supply ON: Red then turn Green after kernel boot up.
- Power supply OFF: LED light off

Wireless Communication Specification

- Wi-Fi: IEEE 802.11b/g/n/ac (optional)
- Bluetooth 4.2 (optional)

Ethernet Communication Specification

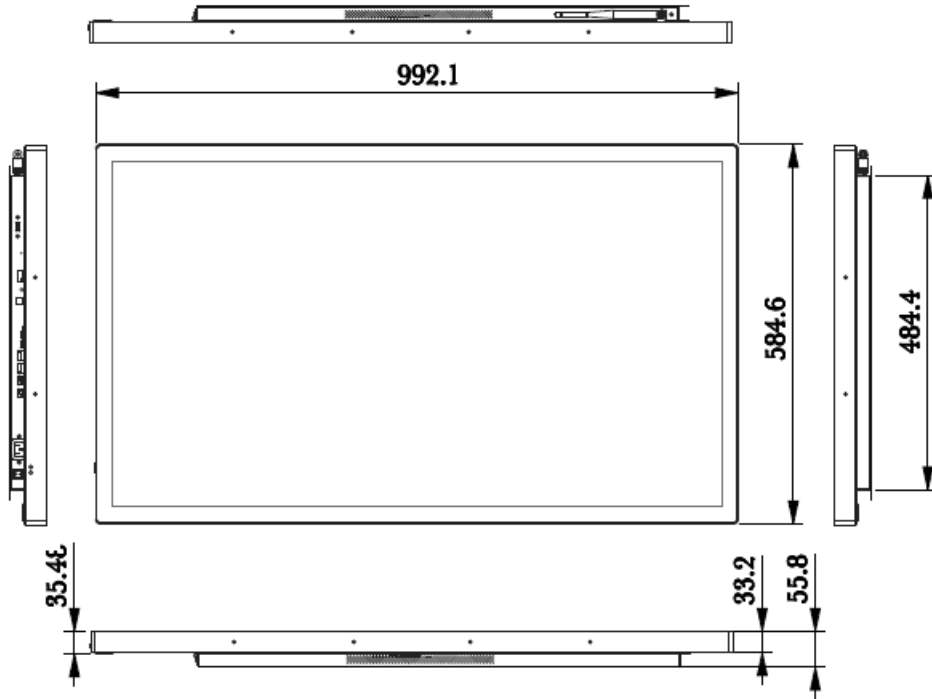
- 10/100M/1000bps LAN RJ45 built-in

External Interface

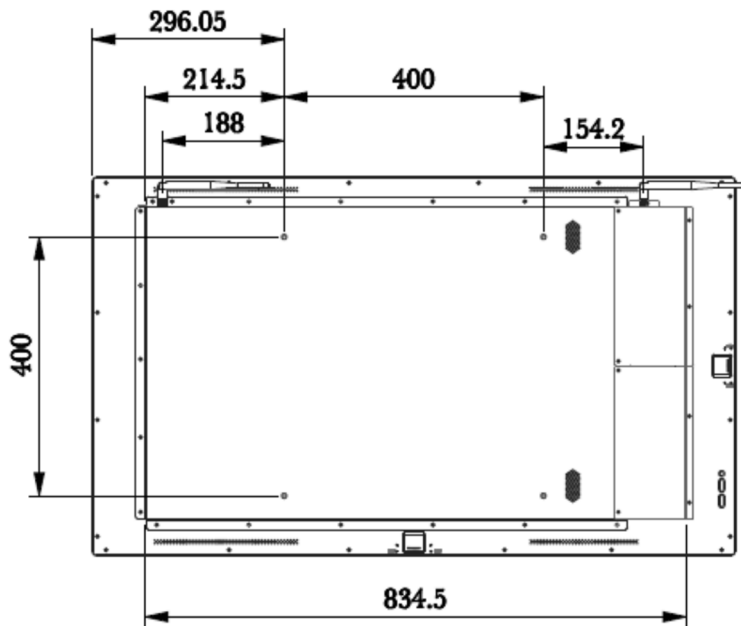
- Key button (vol+, vol-, Up, Down, Exit/Enter (when in recovery mode))
- USB interface:
 - USB host type A port (USB 2.0 high speed 480Mbps) x 2
 - Micro USB port (USB 2.0 OTG) x 1
- Ethernet RJ45 10/100/1000Mbps connector x 1
- RS232 x 2 (in RJ45 connector form)
- Power slide switch
- AC adapter port
- VESA mount (400x400 mm)
- Headset + MIC port
- S/PDIF out

Case Dimensions

- Top/Bottom/Front/Left/Right Side



- Back Side



- The case dimension: (estimation)

Width: 992.1mm

Height: 584.6mm

Depth: 55.8mm

Weight

- TBD (main body only, excluding AC adapter)

Housing Design

- Body and cover are in black color.

Housing Material

- Body: Metal

Power

- CE, FCC certified
- Power consumption: 1KHz audio playback etc. about 135W max., OFF 0W
- Input power spec.: AC 100-240Vac In.

Environmental Correspondence

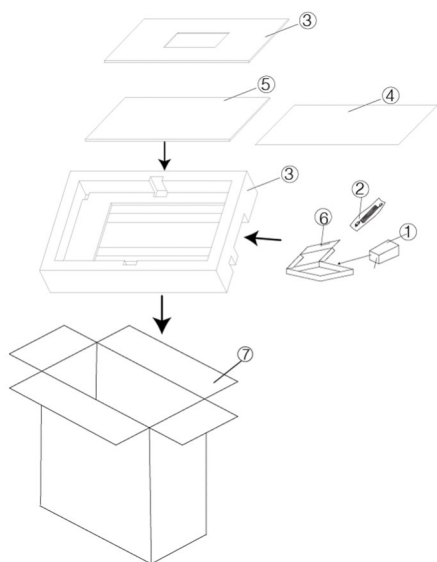
- ROHS

Shipment Form

- Appended goods
- AC IN 110~240V Cable.
- Mounting bracket (screwed on body, optional),

Packaging Specification (estimation)

- 1PCS packaging box dimension: TBA



1. AC adapter
2. Power Cord
3. EPE
4. PE bag
5. Main Body
6. Gift Box
7. 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