Data Sheet

LCS-10N-B

10" Digital Signage with barcode scanner

Performance . Quality . Compact

LONGSHINE's LCS-10N-B was designed for digital signage application which requires performance and installation feasibilities. LCS-10N-B can be flexibly vesa wall / rack mounted in various environments.

Your total cost of ownership will also be significantly reduced through competitive hardware costs, improved efficiencies and minimal administration efforts. Finally, high product quality ensures a long lifecycle.

Hardware

CPU: Cortex-A9, Dual Core, up to 1.2GHz

System Memory: 1GB DDR3 SDRAM

Internal Storage Memory: 4GB NAND Flash

External Storage Memory: SD Card (SDHC Class10 compatible)

LCD: 10.1" 1024X600 digital TFT LCD

Touch Panel Type: 5 point capacitive multi-touch type

Amplifier, Speaker:
- Speaker unit: 3W+3W
- Amplifier 3W+3W
- 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] , [timer standby], and [power supply OFF] modes are supported.
- Power supply ON: Green
- Timer standby: Orange
- Power supply OFF: LED light off

Wireless Communication Specification
- Wi-Fi：IEEE 802.11b/g/n (optional)

Ethernet Communication Specification
- 10/100Mbps LAN RJ45 built-in

Dimensions without barcode scanner:

Width: 274.5mm

Height: 160.5mm

Depth: 23.5mm

Technical Specifications

Display	TFT LCD	10.1" (16:9 diagonal) inch configuration
	Number of Pixel	1024 RGB (H) x 600(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	SD card slot	SD card (SDHC Class10 compatible)
	USB	USB 2.0 host type A×1
	Micro USB	Micro USB 2.0 × 1
	Mini HDMI	Mini HDMI out, Type C ×1
	Module slot	USB 2.0 x 1
Speaker	High quality speaker	3W×2
Power	AC/DC adapter	12V/2A AC/DC adapter
Wireless Communication	Wi-Fi	802.11 b/g/n (optional)
Ethernet	RJ45	10/100Mbps LAN
Camera	Front	Front: 2M pixels (optional)
Function keys	Key button	+、-、Up、Down、Menu/Enter
Barcode scanner	Barcode scanner	2D Barcode scanner

Features and specifications are subject to change without prior notice.

Barcode Scan Specifications

Symbols	2D	PDF417, QR Code(Model 1/2), DataMatrix(ECC200, ECC000, 050, 080,100,140)
	1D	Code128, EAN-13, EAN-8, Code39, UPC-A,UPC-E, Codabar, Interleaved 2 of 5, ISBN, Code93, UCC/EAN-128, GS1 Databar, etc.
Precision	≥ 4mil	
Symbol Contrast	≥ 30%	
Scan Angle	37.5°H, 24.5°V	
Roll	360°@ 0°Pitch and 0° Skew	
Skew	±50°@ 0°Roll and 0° Pitch	
Pitch	±50°@ 0°Roll and 0° Skew	

Image Capture Specifications

Image Sensor	CMOS
Resolution	752*480
Interface	USB

Illumination Specifications

Light Source	LED (620 nm - 630 nm)

Electrical and Mechanical Specifications at 23 degree

Power Consumption(Max)	1.485 W(@3.3VDC)
Voltage	DC3.2V-DC5.5V
Max Working Current	450 mA(@3.3VDC)
Average Working Current	330 mA(@3.3VDC)
Idle Current	75 mA(@3.3VDC)
Deep Sleep Current	900 uA(@3.3VDC)
Dimensions（L*W*H）	69 *30*46 mm
Weight	36.5g

Environment Specifications

Operating Temperature	-15°C - +55°C
Storage Temperature	-40°C - +80°C
Humidity	5% - 95% (Non-condensing)
Ambient Illumination	0 ~ 100,000 LUX

External Interface

- SD card slot
- Key button (+、-、Up、Down、Menu/Enter)

- USB interface:
    - USB host type A port （USB 2.0 high speed 480Mbps）x 1
    - Micro USB port（USB 2.0 high speed 480Mbps）x 1
    - Module slot（USB 2.0 interface high speed 480Mbps）x 1

- Mini HDMI interface: Mini HDMI out, Type C x 1
- Ethernet RJ45 10/100Mbps connector
- Power switch
- AC adapter port
- Metal-fittings mounting screw holes: four places

Product Outlook

Front:

1. Camera (optional)

Top:

2. LED

3. SD card slot + cover

4. Menu / Enter button

5. Function keys (up / down)

6. Function keys (vol+ / Vol-)

Back:

7. Speakers

8. Vesa mounting holes

9. DC In

15. Add-on Module Slot

Buttom

9. DC In

10. Ethernet RJ45 port

11. USB type A

12. Micro USB

13. Mini HDMI out

14. Power switch

15. Add-on Module Slot

16. 2D barcode scanner

Software

OS: Android 4.1.x, Jelly Bean

Flash Support : Adobe Flash 10.2 supported

Pre-installed Applications

LCS-10N-B Current Pre-install App List	
(App with Red * can't be deleted.)	
App name	**Description**
*AppInstaller.apk	Applications install tool
*ApplicationProvider.apk	Applications to support services
*BackupRestoreConfirmation.apk	Backup and Restore confirmation
Browser.apk	Android default Browser
Calculator.apk	Calculator
Calendar.apk	Calendar
CalendarProvider.apk	Calendar program support service
Camera.apk	Android Camera
*CertInstaller.apk	Certificate Services
Contacts.apk	Contacts
*ContactsProvider.apk	Contacts data Storage Service
*DefaultContainerService.apk	The default directory services
DeskClock.apk	Take alarm clock
*DownloadProvider.apk	download management
*DownloadProviderUi.apk	download management UI
*DrmProvider.apk	The protected of Drm data storage service
Email.apk	Android default E-mail
Exchange.apk	E-mail service
FileBrowser.apk	File Browser
Gallery2.apk	View Pictures
*HoloSpiralWallpaper.apk	Live Wallpaper
HTMLViewer.apk	HTML explorer
*KeyChain.apk	Key authentication
*LatinIME.apk	Latin IME
*Launcher2.apk	Native desktop
LiveWallpapers.apk	Live Wallpapers
*LiveWallpapersPicker.apk	Live Wallpaper

MagicSmokeWallpapers.apk	The application of the wallpaper
*MediaProvider.apk	Media data storage service
*Music.apk	Music
*MusicFX.apk	Music & Audio app
NoiseField.apk	Live Wallpapers of Bubbles
*PackageInstaller.apk	Program Installation
PhaseBeam.apk	Live Wallpaper app
*Phone.apk	Phone
PicoTts.apk	Text speech convert engine
*Protips.apk	Desktop plugin little green men
*Provision.apk	Boot loader program
QuickSearchBox.apk	Quick Search Box
*Settings.apk	Settings
*SettingsProvider.apk	Set service program
*SharedStorageBackup.apk	Share data backup service
SoundRecorder.apk	sound recorder
Superuser.apk	Authorized Program
*SystemUI.apk	Android Status bar
*TelephonyProvider.apk	Dial-up records storage service
*UserDictionaryProvider.apk	The user data dictionary service
*VideoPlayer.apk	Amlogic Video Player
VisualizationWallpapers.apk	Visualization Wall papers
VpnDialogs.apk	VPN LAN service

Playback Format Support

Media	Video	MKV, TS, FLV, AVI, VOB, MPG, DAT, ASF, RM, MOV, 3GP, MP4, WMV
	Audio	MP2, WMA, WAV, AAC, OGG, ASF
Image		JPG, BMP, GIF

More information

Longshine Services

In addition to model from Longshine LCS-10N-B, Longshine provides a wide range of platform solutions. Combine reliable Longshine products with the best services, know-how and worldwide partnerships.

Longshine Hardware Portfolio

Longshine offers a full portfolio of IT hardware ranging from networking, POS, digital signage and e-books. This allows customers to single source from one vendor to ensure installation compatibility and reduce response times for technical enquiries, and changing business requirements.

POS Products
http://pos.longshine.de

Networking Products
http://network.longshine.de

E-Book
tolino@longshine.de

Digital Signage Products
info@longshine.de

More information

To learn more about Longshine LCS-10N-B and other digital signage products, please contact your Longshine sales representative or Longshine Business partners, or visit our website. www.longshine.de

LONGSHINE VISION

It's our policy to be open minded and mechanical flexible to support our Business partners, and to also secure projects from different technical enquiries/opportunities. By listening and understanding to market needs, we also aim to contribute technical knowledge to continuously improve and create standard models with high CP values. To become a Longshine Business partner, please contact via info@longshine.de

Copyrights

Disclaimer

Contact

LONGSHINE Technologie GmbH
Corporate Headquarters
An der Strusbek 9, 22926 Ahrensburg, Germany
TEL: +49 4102 49220 FAX: +49 4102 40109
www.longshine.de
info@longshine.de