SK-50 SCAN KIOSK Model 50

Technical Product Specifications

System Architecture	
Processer	ARM Dual-Core
Operating Platform	Linux 3.4 / Android 4.4
Memory Flash	8GB eMMC Expandable with USB stick and SD card
Memory RAM	1GB

Output Media	
Display Size	5.7" diagonal
Brightness	Sunlight Readable 400 nits
Resolution	640x480 pixels 65,535 colours
Touch screen	Resistive type
Graphics Supported	PNG/JPEG/GIF/BMP
Audio Supported	WAV/WMA/MP3
Video Supported	MPEG-4/H.264
Audio Ports	Hi Definition Stereo 16 bit PCM 44.1KHz
Loudspeakers	High Quality loudspeakers for superior audio performance
Headphone Support	3.5 mm standard jack

Power Requirements	
Power supply voltage	+12 VDC ± 10% / 1.5A
Power Consumption	1500mA @ 12VDC Maximum configuration Optional Power Over Ethernet IEEE 802.3 af

Physical Characteristics	
Dimensions (H x W x D)	193 x 176 x 85 mm (7.6" x 6.9" x 3.3")
Weight	0.9kg 2 lb
Dual Mounting Options	Wall Mount with 2 screws compatible to SG-15 and VESA 75mm bracket mounting featured by 4 inserts
Available colours	Two standard colour combinations available to fit every interior: Black/Silver and Black/Red.

Data Ports

Externally accessible (at the back)	Qty	Peripheral type	Connector	Remarks
	2	USB 2.0 host	USB-A	USB Hand scanner/Flash
	1	LAN 10/100Mbps	RJ-45	Network connector
	1	Audio	3.5 mm	Headphone
	1	RS-232(+5V Power)	RJ-11	Consol for engineering
	1	General Purp Out	2-pin conn	Exit Gate Terminal Option
Internally accessible (behind cover)	Qty	Peripheral type	Connector	Remarks
	1	SD card slot	SD socket	Flash memory extension
	2	USB 2.0 host	USB-A	For WiFi stick or Flash USB devices
	1	RS232(+5V)	RJ11	(Data Input Optional) Omni-directional Laser or 2D
			OR:	
	1	Power over Ethernet module	Pin header	Same physical location as the USB WiFi stick
Entry/Exit-Gate control function	Option, ex factory			

Network Interface

Wired LAN	• Ethernet: 100MB Base-TX/10MB Base-T (802.3) standard on board • Power over Ethernet IEEE 802.3 af optional • Two network LED indicators at the back
Wireless LAN	An option of Linux version. Through USB WiFi stick, 802.11 a/b/g/n 2.4 GHz (5G option)
Encryption protocols	WPA, PSK and WPA Enterprise security.

Data Inputs

Scanner possibilities	**Omni Directional Laser Scanner :** High Speed, hi sensitive and omni-directional scanning. Reading of fragmented bar codes. Visible laser diode 635 nm. Scan pattern : 6 direction scan field, 24 lines. Scan rate : 2000 scans/sec Up to 300 mm @ UPC/EAN 100%, PCS 90% **or** **2D Imager :** White Light LED. Scan rate : 60 images/sec. Resolution: 1280 Horizontal x 800 Vertical pixels.
Symbologies Supported	**With Omni Directional Laser Scanner :** EAN/UPC/JAN + Add-on, ISBN, Code 128, EAN 128, Code 93, Code 39, Code 32, Codabar, Interleaved 2 of 5, MSI-Plessey and GS1 DataBar **With 2D Imager:** 1D Symbologies: UPC-A, UPC-E, EAN-8/JAN-8, EAN-13/JAN-13, ISSN, UCC Coupon Extended Code, Code 39, Code 39 Full ASCII, Code 128, Interleaved 25, Industrial 25, Matrix 25, Codabar/NW7, Code 93, China Post, MSI/Plessey, Telepen, GS1 Databar Omni-directional, GS1 Databar Limited, GS1 Databar Expended 2D Symbologies: Datamatrix, PDF417, MicroPDF417, QR code, MicroQR. Aztec, Maxicode
Scan Pattern Orientation	Scanner angle can be adapted for maximum user convenience Ex factory or on distributor level Lock button accessible at the back.

Software and Applications	
Application	Price Check Application built-in
Demo tool	Shows all supported functions and performance of the SK-50
SKNet SDK	Text-based demo database with SGNet functionality.
	SQL based demo database
	Web server demo
The Management Tool Kit embedded in the SK-50 features:	• Built-in Web Server for user friendly configuration Administrator, operator and anonymous user login.
	• Access to:
	• The operating system settings (LAN, WLAN etc.),
	• Peripheral controls (like speaker volume, brightness, scanner) and
	• Main application parameters (Price Checking, Promotion etc.)
	• Loading of multi-media files to the media storage devices.

Environmental	
Operating temperature	0° to 40°C (32° to 104°F)
Storage temperature	-20°C to 60°C (-4° to 140°F)
Humidity	5% ~ 95% RH (non-condensing)

Regulatory	
	CE,FCC and RoHS compliant

Due to Scantech´s continuing product improvement programs, specifications and features are subject to change without prior notice.