



## SK-50 SCAN KIOSK Model 50



## **Technical Product Specifications**

System Architecture				
Processer	Super RISC Processor 533MHz			
Operating Platform	Standard Linux 2.6 or WinCE 6.0			
Memory Flash	256MB Expandable with USB stick and SD card			
Memory RAM	128MB			
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 acceptable	Qty	Peripheral type	Connector	Remarks		
Externally accessible	2	USB 2.0 host	USB-A	USB Hand scanner/Flash		
(at the back)	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	Qty	Peripheral type	Connector	Remarks		
(behind cover)	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	Pin header	Same physical location		
		Ethernet module		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				
	<ul> <li>Power over Ethernet IEEE 802.3 af optional</li> </ul>					
	Two network LED indicators at the back					
Wireless LAN	Through USB WiFi stick (ex factory or Scantech validated) 802.11 b/g/n 2.4 GHz					
	002.11	b/g/n 2.4 GHz				
Encryption protocols		b/g/n 2.4 GHz SK and WPA Enterprise	security.			
Encryption protocols			security.			
			security.			
Data Inputs	WPA, PS	SK and WPA Enterprise	·			
Encryption protocols  Data Inputs  Scanner possibilities	WPA, PS	SK and WPA Enterprise	nner :	conning		
Data Inputs	WPA, PS  Omni D  High Sp	SK and WPA Enterprise  irectional Laser Sca eed, hi sensitive and o	nner : mni-directional s	scanning.		
Data Inputs	Omni D High Sp Reading	Firectional Laser Sca eed, hi sensitive and o of fragmented bar coo	nner : mni-directional s	scanning.		
Data Inputs	Omni D High Sp Reading Visible k	irectional Laser Sca eed, hi sensitive and o of fragmented bar coaser diode 635 nm.	nner : mni-directional s des.	scanning.		
Data Inputs	Omni D High Sp Reading Visible la Scan pa	irectional Laser Sca eed, hi sensitive and o of fragmented bar coaser diode 635 nm. ttern: 6 direction scar	nner : mni-directional s des.	scanning.		
Data Inputs	Omni D High Sp Reading Visible la Scan pa Scan ra	irectional Laser Sca eed, hi sensitive and o of fragmented bar coaser diode 635 nm. ittern: 6 direction scar te: 2000 scans/sec	nner : mni-directional s des. n field, 24 lines.	·		
Data Inputs	Omni D High Sp Reading Visible la Scan pa Scan ra Up to 30	virectional Laser Sca eed, hi sensitive and o of fragmented bar coa aser diode 635 nm. ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10	nner : mni-directional s des. n field, 24 lines.	scanning.		
Data Inputs	Omni D High Sp Reading Visible la Scan pa Scan ra Up to 30	virectional Laser Sca eed, hi sensitive and o of fragmented bar coa aser diode 635 nm. ttern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger:	nner : mni-directional s des. n field, 24 lines.	·		
Data Inputs	Omni D High Sp Reading Visible Ia Scan pa Scan ra Up to 30 2D Ima Visible F	pirectional Laser Sca eed, hi sensitive and o of fragmented bar con aser diode 635 nm. httern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger:	nner : mni-directional s des. n field, 24 lines. 00%, PCS 90%	or		
Data Inputs	Omni D High Sp Reading Visible Ia Scan pa Scan ra Up to 30 2D Ima Visible F Scan ra	irectional Laser Sca eed, hi sensitive and o of fragmented bar con aser diode 635 nm. Ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto	nner: mni-directional s des. n field, 24 lines. 00%, PCS 90%	or		
Data Inputs	Omni D High Sp Reading Visible Ia Scan pa Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag	irectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. Ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto	nner: mni-directional s des. n field, 24 lines. 00%, PCS 90% o adaptive in line 2D mode.	or ear mode,		
Data Inputs Scanner possibilities	Omni D High Sp Reading Visible Ia Scan pa Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti	irectional Laser Sca eed, hi sensitive and o of fragmented bar con aser diode 635 nm. Ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto	nner: mni-directional s des. n field, 24 lines. 00%, PCS 90% o adaptive in line 2D mode. 80 Vertical pixe	or ear mode,		
Data Inputs Scanner possibilities	Omni D High Sp Reading Visible Ia Scan pa Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti With Or	irectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. Ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto ges/sec auto adaptive: on: 752 Horizontal x 4 mni Directional Lase	nner: mni-directional s des. n field, 24 lines. 00%, PCS 90% n adaptive in line 2D mode. 80 Vertical pixe r Scanner:	or ear mode, ls, 256 gray levels.		
Data Inputs Scanner possibilities	Omni D High Sp Reading Visible la Scan pa Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti With Or	irectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto ges/sec auto adaptive: on: 752 Horizontal x 4 mni Directional Laser C/JAN + Add-on, ISBN	nner: mni-directional sides. n field, 24 lines. 00%, PCS 90% n adaptive in line 2D mode. 80 Vertical pixe r Scanner: , Code 128, EA	or ear mode, ls, 256 gray levels. N 128, Code 93, Code 39,		
Data Inputs Scanner possibilities	Omni D High Sp Reading Visible la Scan pa Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti With Or EAN/UP Code 32	irectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto ges/sec auto adaptive; on: 752 Horizontal x 4 mi Directional Laser C/JAN + Add-on, ISBN 2, Codabar, Interleaved	nner: mni-directional sides. n field, 24 lines. 00%, PCS 90% n adaptive in line 2D mode. 80 Vertical pixe r Scanner: , Code 128, EA	or ear mode, ls, 256 gray levels.		
Data Inputs Scanner possibilities	Omni D High Sp Reading Visible la Scan pa Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti With Or EAN/UP Code 32 With 2E	pirectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. Ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto ges/sec auto adaptive: on: 752 Horizontal x 4 mni Directional Laser C/JAN + Add-on, ISBN 2, Codabar, Interleaved D Imager:	nner: mni-directional sides. n field, 24 lines. 00%, PCS 90% n adaptive in line 2D mode. 80 Vertical pixe r Scanner: , Code 128, EA	or ear mode, ls, 256 gray levels. N 128, Code 93, Code 39,		
Data Inputs Scanner possibilities	Omni D High Sp Reading Visible la Scan pa Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti With Or EAN/UP Code 32 With 2E 1D Sym	irectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. Ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto ges/sec auto adaptive: on: 752 Horizontal x 4 mni Directional Laser C/JAN + Ad-on, ISBN 2, Codabar, Interleaved D Imager: bologies:	nner: mni-directional sides. n field, 24 lines. 00%, PCS 90% n adaptive in line 2D mode. 80 Vertical pixe r Scanner: , Code 128, EA	or ear mode, ls, 256 gray levels. N 128, Code 93, Code 39,		
Data Inputs Scanner possibilities	Omni D High Sp Reading Visible Ia Scan pa Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti With Or EAN/UP Code 32 With 2D 1D Sym EAN/UP	irectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. Ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto ges/sec auto adaptive: on: 752 Horizontal x 4 mni Directional Laser C/JAN + Ad-on, ISBN 2, Codabar, Interleaved D Imager: bologies:	nner: mni-directional s des. n field, 24 lines. 00%, PCS 90% n adaptive in line 2D mode. 80 Vertical pixe r Scanner: , Code 128, EA d 2 of 5, MSI-Ple ec, BPO, Canade	or ear mode, ls, 256 gray levels. N 128, Code 93, Code 39, essey and GS1 DataBar.		
Data Inputs Scanner possibilities	Omni D High Sp Reading Visible Ia Scan pa Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti With Or EAN/UP Code 32 With 2D 1D Sym EAN/UP Compose	irectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto ges/sec auto adaptive: on: 752 Horizontal x 4 mni Directional Laser C/JAN + Add-on, ISBN 2, Codabar, Interleaved D Imager: bologies: C, Australian Post, Azt site, Interleaved 2 of 5,	nner: mni-directional sides. n field, 24 lines. 00%, PCS 90% n adaptive in line 2D mode. 80 Vertical pixe r Scanner: , Code 128, EA d 2 of 5, MSI-Ple ec, BPO, Canad Japan Post,	or ear mode, ls, 256 gray levels. N 128, Code 93, Code 39, essey and GS1 DataBar.		
Data Inputs	Omni D High Sp Reading Visible Ia Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti With Or EAN/UP Code 32 With 2E 1D Sym EAN/UP Compos MSI Code	irectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto ges/sec auto adaptive: on: 752 Horizontal x 4 mni Directional Laser C/JAN + Add-on, ISBN 2, Codabar, Interleaved D Imager: bologies: C, Australian Post, Azt site, Interleaved 2 of 5,	nner: mni-directional sides. n field, 24 lines. 00%, PCS 90% n adaptive in line 2D mode. 80 Vertical pixe r Scanner: , Code 128, EA d 2 of 5, MSI-Ple ec, BPO, Canad Japan Post,	or ear mode, ls, 256 gray levels. N 128, Code 93, Code 39, essey and GS1 DataBar. la Post, Dutch Post, EAN.UC		
Data Inputs Scanner possibilities	Omni D High Sp Reading Visible Ia Scan pa Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti With Or EAN/UP Code 32 With 2E 1D Sym EAN/UP Compos MSI Coor Telepen	irectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. Ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto ges/sec auto adaptive: on: 752 Horizontal x 4 mni Directional Laser C/JAN + Add-on, ISBN 2, Codabar, Interleaved D Imager: bologies: C, Australian Post, Azt site, Interleaved 2 of 5, de, Planet, Plessey Cod	nner: mni-directional sides. n field, 24 lines. 00%, PCS 90% n adaptive in line 2D mode. 80 Vertical pixe r Scanner: , Code 128, EA d 2 of 5, MSI-Ple ec, BPO, Canad Japan Post,	or ear mode, ls, 256 gray levels. N 128, Code 93, Code 39, essey and GS1 DataBar. la Post, Dutch Post, EAN.UC		
Data Inputs Scanner possibilities	Omni D High Sp Reading Visible la Scan pa Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti With Or EAN/UP Code 32 With 2E 1D Sym EAN/UP Compos MSI Coo Telepen 2D Sym	irectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. Ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto ges/sec auto adaptive: on: 752 Horizontal x 4 min Directional Laser C/JAN + Add-on, ISBN 2, Codabar, Interleaved D Imager: bologies: C, Australian Post, Azt site, Interleaved 2 of 5, de, Planet, Plessey Cod , TLC 39 bologies:	nner: mni-directional sides. n field, 24 lines. 00%, PCS 90% n adaptive in line 2D mode. 80 Vertical pixe r Scanner: , Code 128, EA d 2 of 5, MSI-Ple ec, BPO, Canad Japan Post, de, Postnet, GS	or ear mode, ls, 256 gray levels. N 128, Code 93, Code 39, essey and GS1 DataBar. la Post, Dutch Post, EAN.UC		
Data Inputs Scanner possibilities	Omni D High Sp Reading Visible la Scan pa Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti With Or EAN/UP Code 32 With 2E 1D Sym EAN/UP Compos MSI Coo Telepen 2D Sym Datama	irectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto ges/sec auto adaptive: on: 752 Horizontal x 4 mni Directional Laser C/JAN + Add-on, ISBN 2, Codabar, Interleaved D Imager: bologies: C, Australian Post, Azt site, Interleaved 2 of 5, de, Planet, Plessey Cod , TLC 39	nner: mni-directional sides. n field, 24 lines. 00%, PCS 90% n adaptive in line 2D mode. 80 Vertical pixe r Scanner: , Code 128, EA d 2 of 5, MSI-Ple ec, BPO, Canad Japan Post, de, Postnet, GS	or ear mode, ls, 256 gray levels. N 128, Code 93, Code 39, essey and GS1 DataBar. la Post, Dutch Post, EAN.UC		
Data Inputs Scanner possibilities	WPA, PS  Omni D  High Sp  Reading Visible la Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti  With Orr EAN/UP Code 33 With 2E 1D Sym EAN/UP Compose MSI Cod Telepen 2D Sym Datama Maxicod	irectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto ges/sec auto adaptive: on: 752 Horizontal x 4 nni Directional Laser C/JAN + Add-on, ISBN 2, Codabar, Interleaved D Imager: bologies: C, Australian Post, Azt site, Interleaved 2 of 5, de, Planet, Plessey Cod , TLC 39 bologies: trix, Matrix 2 of 5, Max le, QR code	nner: mni-directional sides. n field, 24 lines. n field, 24 lines. n adaptive in line 2D mode. 80 Vertical pixe r Scanner: , Code 128, EA d 2 of 5, MSI-Ple ec, BPO, Canad Japan Post, de, Postnet, GS	or ear mode, ls, 256 gray levels.  N 128, Code 93, Code 39, essey and GS1 DataBar. la Post, Dutch Post, EAN.UC 1 Databar, Standard 2 of 5,		
Data Inputs Scanner possibilities Symbologies Supported	WPA, PS  Omni D  High Sp  Reading Visible Ia Scan ra Up to 30 2D Ima Visible F Scan ra 56 imag Resoluti  With Orr EAN/UP Code 32 With 2E 1D Sym EAN/UP Compose MSI Cod Telepen 2D Sym Datama Maxicod Scanner	irectional Laser Sca eed, hi sensitive and o of fragmented bar cod aser diode 635 nm. Ittern: 6 direction scar te: 2000 scans/sec 00 mm @ UPC/EAN 10 ger: Red light 650nm te: 200scans/sec auto ges/sec auto adaptive: on: 752 Horizontal x 4 mi Directional Laser C/JAN + Add-on, ISBN 2, Codabar, Interleaved D Imager: bologies: C, Australian Post, Azt site, Interleaved 2 of 5, de, Planet, Plessey Cod , TLC 39 bologies: trix, Matrix 2 of 5, Max	nner: mni-directional sides. n field, 24 lines. n field, 24 lines. n adaptive in line 2D mode. 80 Vertical pixe r Scanner: , Code 128, EA d 2 of 5, MSI-Ple ec, BPO, Canad Japan Post, de, Postnet, GS	or ear mode, ls, 256 gray levels.  N 128, Code 93, Code 39, essey and GS1 DataBar. la Post, Dutch Post, EAN.UC 1 Databar, Standard 2 of 5,		

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	Built-in Web Server for user friendly configuration		
embedded in the SK-50	Administrator, operator and anonymous user login.		
features:	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.