



# SK40

## Color Screen Price verifiers

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### Introduction

SK40 is a color-screen Price Verifiers. With 4.3 inch color display and price checker functionality, it can provide customer who prefer a color display and easy access to the information.

SK40 will provide the price verifying functionality for customer self-service. With the color screen, the SK40 also provides "Vivid broadcasting" (Optional by project base) function with the ability to play multi-media formats (including picture and Video) which are applied in Stores for promotion and advertisements.

Furthermore, the SK40 supported remote web configuration management; it will be convenient for system control management, who can monitor and manage all SK40's deployed store-wide from a central control room.

### Features

- SK40 color screen price verifier (none touch screen).
- Multimedia support with High quality speakers.
- Compact dimension for easy to deploy virtually anywhere in the store.
- Easy to deploy and map out digital promotion image/video media (Optional by project base).
- Rotatable scanner window for installation.
- Comprehensive networking options: IEEE 802.11 A/B/G/N 2.4GHz
- Browser display technology for user friendly access to remotely configure, diagnose, monitor and troubleshoot devices.
- Power Over Ethernet and Entry/Exit-Gate control function support (Optional).
- RFID support (option)
- Database system applicable to PC Server Edition

## Specifications

### • System Architecture

Processor	Super RISC Processor 400MHz
Operating Platform	Standard Linux 2.6 Kernel or WinCE 6.0
Memory Flash	256 MB
Memory RAM	128 MB

### • Output Media

Display	4.3" diagonal (None Touch display)
Brightness	350 nits
Resolution	480 x 272 pixels 65,535 colours

### • Power Requirements

Power Supply Voltage	+12 VDC $\pm$ 10% / 1.5A
Power Consumption	1500mA @ 12VDC Maximum configuration Optional Power Over Ethernet IEEE 802.af

### Physical

• Dimensions (H x W x D)	193 x 176 x 85 mm (7.6" x 6.9" x 3.3")
Weight	0.9 kg (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 in every interior: Black/Silver and Black/Red.

### • Data Ports

SD Card Slot	x 1
USB 2.0	x 2 (back compartment) x 2 (side compartment)
LAN port 10/100 MB	x 1
RS-232 port	x 1 (+5V DC Power)
Power Over Ethernet Module	Optional
Entry/Exit Gate Control Function GPIO	Optional (2-pin conn)

### • Network Interface

Wired LAN	<ul style="list-style-type: none"> <li>• Ethernet: 100MB Base-TX/10MB Base-T (802.3) standard on board</li> <li>• Power over Ethernet IEEE 802.3 af optional</li> <li>• Two network LED indicators at the back Through USB Wi-Fi stick</li> </ul>
Wireless LAN	Through USB WiFi stick (ex factory or Scantech validated) 802.11 a/b/g/n/ac 2.4G/5GHz
Encryption Protocols	WPA, PSK and WPA Enterprise security.

### • Data Input

#### 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 :  
Visible Red light 650nm  
Scan rate : 200scans/sec auto adaptive in linear mode,  
56 images/sec auto adaptive 2D mode.  
Resolution : 752 Horizontal x 480 Vertical pixels, 256 gray levels.

#### 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:  
EAN/UPC, Australian Post, Aztec, BPO, Canada Post, Dutch Post, EAN.UCC Composite, Interleaved 2 of 5, Japan Post, MSI Code, Planet, Plessey Code, Postnet, GS1 Databar, Standard 2 of 5, Telepen, TLC 39  
2D Symbologies:  
Datamatrix, Matrix 2 of 5, Maxi 2 of 5, MicroPDF417, PDF417, Maxicode, QR code

#### Scan Pattern Orientation

Scanner angle can be adapted for maximum user convenience  
Ex factory or on distributor level  
Lock button accessible at the back.


### • Environmental

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

### • Optional (For Project base only)

Graphics Support	PNG/JPEG/GIF/BMP
Audio Support	WAV/WMA/MP3
Video Support	MPEG-4/H.264

### • Regulatory

CE, FCC and RoHs compliant 

Due to Champtek's / Scantech ID's continuing product improvement programs, specifications and features are subject to change without notice.