# 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

# SK40

## 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 ± 10% / 1.5A |
| Power Consumption | 1500mA @ 12VDC<br>Maximum configuration<br>Optional Power Over Ethernet<br>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 andVESA 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)<br>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 | • EEthernet: 100MB Base-TX/10MB Base-T (802.3) standard on board<br>• Power over Ethernet IEEE 802.af optional<br>• Two network LED indicators at the back Through USB Wi-Fi stick |
| Wireless LAN | Through USB WiFi stick (ex factory or Scantech validated) 802.11 B/G/N 2.4 GHz |
| Encryption Protocols | WPA, PSK and WPA Enterprise security. |

### • Data Input

| | |
|---|---|
| Scanner Possibilities | **• *Omni Directional Laser Scanner :***<br>High Speed, hi sensitive and omni-directional scanning. Reading of fragmented bar codes. Visible laser diode 635 nm.<br>Scan pattern :<br>6 direction scan field, 24 lines. Scan rate : 2000 scans/sec<br>Up to 300 mm @ UPC/EAN 100%, PCS 90% or<br><br>**• *2D Imager :***<br>Visible Red light 650nm<br>Scan rate : 200scans/sec auto adaptive in linear mode,<br>56 images/sec auto adaptive 2D mode.<br>Resolution :752 Horizontal x 480 Vertical pixels, 256 gray levels. |
| Symbologies Supported | **• *With Omni Directional Laser Scanner :***<br>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<br><br>**• *With 2D Imager :***<br>1D Symbologies:<br>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<br>2D Symbologies:<br>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<br>Ex factory or on distributor level<br>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)

| | |
|---|---|
| 4.3" touch display | |
| Graphics Support | PNG/JPEG/GIF/BMP |
| Audio Support | WAV/WMA/MP3 |
| Video Support | MPEG-4/H.264 |

### • Regulatory

Electrical Safety: UL-CE EN 60950;
Laser Safety: CDRH 21 CFR part 1040;
IEC825 Class 1 -EN60825-1
EMI/RFI: CE EMC 89/336/EEC.

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

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