



SCANTECH ID SG-15^{Colour} Price Verifier

SCANTECH ID[®]
CHAMPEK Group

Introduction

The Shuttle SG-15^{Colour} is an entry level, small and attractive price checker. The Shuttle features the latest technology and interfacing is either through Wireless RF or hard wired Ethernet.

It built in 2 standard price checking applications as your selection. One is the colorful and rich content web-based price checker which is easily to setup a browser-like connection to an http web server, and the other is the mono-chrome white text display on blue background text-based price checker.

There is a choice of bar code scanners between the entry level single scan line CCD scanner, the high performance 24 scan lines omni-directional laser scanner and most popular 2D barcode scan engine, especially to read barcodes on a mobile device.

Because of its size and the sympathetic good looks, the Shuttle can be installed anywhere in a store including on the shelves. This flexibility of installation is enhanced by the optional Power-over-Ethernet. The three available standard colours greatly help to fit most interiors.

Features

- Driven by Linux OS
- 3.5" colour display
- Compatible with SG-15^{Plus} Price-Checker
- Self detection and configuration of scan-engine at start-up.
- Stand-by scheduler for sustainable use
- Choice of colour: Red, Black and Silver
- Choice of scanner: Laser Omni/CCD Single Line/2D imager
- Choice of Interface: Ethernet/WiFi/Power over Ethernet
- +5V power supply(SG-15 compatible)
- Wall mounting by 2 screws.
- Simple configuration by standard web browser.

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Specifications

System Architecture

Processor	ARM Cortex-A7 Dual-Core
Operating Platform	Standard Linux (Kernel > 3.0)
Memory Flash	8GB, expandable with USB flash drive and uSD card
Memory RAM	512MB
Software	Client applications included

Output Media

Display	3.5" diagonal
Brightness	450 nits 16million colours for high quality displaying
Resolution	320 x 240 pixels
Graphics Supported	PNG, JPEG, GIF, BMP
Speaker	1 Speaker

Data Ports

USB 2.0	x1
LAN port 10/100MB	x1
Power Over Ethernet	Optional
Entry/Exit Gate Control Function GPIO	Optional (2-pin conn)

Network Interface

Wired LAN	* Ethernet :100MB Base-TX/10MB Base-T(802.3) standard on board * Power over Ethernet IEEE 802.3 af optional
Wireless LAN	802.11 a/b/g/n/ac 2.4G/5GHz
Protocols	WPA, PSK and WPA Enterprise security

Physical

Dimensions (H x W x D)	182 x 131 x 95mm (7.17 x 5.16 x 3.74 inch)
Weight	< 0.9 kg (2 lb)
Mounting Options	Wall mount with 2 screws (Scantech SG-15 compatible)

Data Input

Scanner Possibilities

*Omni Directional Laser Scanner :
High Speed, hi sensitive and omni-directional scanning.
Reading of fragmented bar codes.
Visible laser diode 635nm.
Scan pattern: 6 direction scan field, 24 lines.
Scan rate:2000 scans/sec
Up to 300mm@UPC/EAN 100%, PCS90%
*CCD Scanner:
Smart detect up to 500 scans/sec
*2D Imager:
White light LED.
Resolution: 1280 (H) x 800 (V) pixels.
FOV: 55° (H) x 35° (V)

Symbologies Supported

*Omni Directional Laser Scanner:
EAN/UPC/JAN+Add-on,ISBN,Code 128,EAN128, Code 93,
Code39, Code32, Codabar,Interleaved 2 of 5, MSI-Plessey
and GS1 DataBar.
*CCD Scanner:
All UPC/EAN/JAN, EAN128 Code, Code 39, Code 39 Full
ASCII Code32 / Italian Pharmacy, Code 128,
CODABAR/NW7,Interleave 25, Industrial 25, Matrix 25,
MSI/PLESSEY, Telepen
Code 93, Code 11, China Postage, Code 26, LCD25 and
GS1 DataBar Family.
*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, TLC39
2D Symbologies: Datamatrix, Matrix 2 of 5, Maxi 2 of 5,
Maxicode, QR code


Power Requirements

Power Supply	+5V/2A PSU or Power over Ethernet(IEEE802.3af)
Power Consumption	3-5Watt (5Vdc, 580~1050mA) Depending on interface and scanner type.

Environmental

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

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.