



## PC55 Price Checker Kiosk (1D/2D)

The PC55 is an entry level, small and attractive price checker featuring the latest technology with interface options such as Wireless RF or hard wired Ethernet.

Depending on the font set, the bright and vivid screen can display up to 20 characters per line. There is a choice of bar code scanners between the entry level single scan line CCD scanner and the high performance 24 scan lines omni-directional laser scanner (2D scan engine is also available per customers request).

Because of its size and the sleek good looks, the PC55 can be installed anywhere in a store including on the shelves; this flexibility of installation is enhanced by the optional Power-over-Ethernet.

### Main Features:

- Driven by Linux OS
- 3.5" color display
- Self detection and configuration of scan-engine at start-up
- Choice of scanner: Laser Omni/CCD Single Line/2D imager
- Choice of Interface: Ethernet/WiFi/Power over Ethernet
- +5V power supply
- Wall mounting by 2 screws
- Simple configuration by standard web browser

### System

|                    |   |
|--------------------|---|
| Processor          | ARM Cortex-A7 Dual-Core                         |
| Operating Platform | Standard Linux (Kernel > 3.0)                   |
| Memory Flash       | 4GB, expandable with USB ash drive and USD card |
| Memory RAM         | 512MB   |
| Software           | Client applications included                    |

### Output Media

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

### 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. |

### 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                   |

### Data Ports

|                                       |                       |
|---------------------------------------|-----------------------|
| USB 2.0                               | x 1                   |
| LAN port 10/100 MB                    | x 1                   |
| Power Over Ethernet Module            | 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<br>* Power over Ethernet IEEE 802.3 af optional |
| Wireless LAN         | 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 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:

Visible Red light 650nm  
**Scan rate:** 200 scans/sec auto adaptive in linear mode, 56 images/sec auto adaptive 2D mode.  
**Resolution:** 752 Hor. X 480 Vert. pixels, 256 gray levels.

#### 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

Symbologies Supported

### Environmental

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

### Regulatory

CE, FCC and RoHS compliant

Specifications subject to change without notice.

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