

# Handheld 1D-IP52-USB



1D



- Read all common 1D barcodes
- Ergonomic and stylish design
- Infrared auto-induction
- Minimum resolution: 3 mil (MD2230+), 5 mil (MD2250+)
- IP52 ensures high reliability and durability
- Withstand over ten million times' button press
- Withstand multiple 4.0 m (13.1ft.) drops to concrete
- Compatible with all POS systems
- Easy firmware upgrade

## Specifications

|                     |                                                                                         |                                           |
|---------------------|-----------------------------------------------------------------------------------------|-------------------------------------------|
| Dimensions          | H × W × D: 82 mm × 67 mm × 168 mm                                                       |                                           |
| Weight              | 168 g, without cable                                                                    |                                           |
| Cable               | Straight 2.0 m                                                                          |                                           |
| Connector Type      | RJ-45 phone jack connector                                                              |                                           |
| Case Material       | PC + TPU                                                                                |                                           |
| Indicator           | Beeper, LED                                                                             |                                           |
| Interface Supported | Keyboard wedge, RS-232, USB Keyboard, USB virtual COM                                   |                                           |
| Operating Mode      | Hand-held, Auto-detection (optional)                                                    |                                           |
| Programming Method  | Manual (reading special barcode)                                                        |                                           |
| Firmware Upgrade    | Online                                                                                  |                                           |
| Input Voltage       | 5 VDC ± 0.25 V                                                                          |                                           |
| Power               | 500 mW (operating); 650 mW (maximum)                                                    |                                           |
| Current             | 100 mA (operating); 130 mA (maximum)                                                    |                                           |
| Standby Current     | <250 µA                                                                                 |                                           |
| Laser               | 645-660 nm laser diode                                                                  |                                           |
| Decoding Rate       | 200 times/sec                                                                           |                                           |
| Scanning Angle      | ±60°, ±65°, ±42° (skew, pitch, roll)                                                    |                                           |
| Print Contrast      | 15% minimum reflection difference                                                       |                                           |
| Decoding Capability | All major 1D symbols including GS1 DataBar                                              |                                           |
| Decoding Depth      | <a href="#">1D-IP52-USB(Long Range)</a>                                                 | <a href="#">1D-IP52-USB(High Density)</a> |
|                     | 5 mil: 40 - 110 mm                                                                      | 3 mil: 5 - 50 mm                          |
|                     | 10 mil: 10 - 280 mm                                                                     | 10 mil: 10 - 85 mm                        |
|                     | 13 mil: 15 - 315 mm                                                                     | 13 mil: 10 - 150 mm                       |
|                     | 16 mil: 25 - 385 mm                                                                     | 16 mil: 25 - 165 mm                       |
|                     | 35 mil: 145 - 630 mm                                                                    | 35 mil: 145 - 295 mm                      |
| Temperature         | -20°C to 55°C / -4°F to 131°F (operating); -40°C to 70°C / -40°F to 158°F (storage)     |                                           |
| Humidity            | 5% to 95% (non-condensing)                                                              |                                           |
| Safety              | Laser Safety: EN60825-1, Class 1   EMC: EN55022, EN55024   Electrical Safety: EN60950-1 |                                           |
|                     | Drop Resistance: Multiple 4.0 m (13.1 ft.) drops to concrete   Sealing: IP52            |                                           |

[Notice]: Specifications are subject to change without notice.