Honeywell

8520

Extended Range Rugged Scanner

The rugged 8520 extended range hand-held scanner from Honeywell delivers superior performance and versatility for your scan-intensive industrial applications. In the yard, warehouse, distribution center, manufacturing plant or retail store, the Honeywell 8520 hand-held scanner offers best-in-class performance, excellent reliability and user-friendly ergonomics to create a more productive mobile environment. Multiple on-board interfaces ensure flexible plug and play host connectivity.

The Honeywell 8520 offers an outstanding reading range, providing the flexibility to enable a wide range of industrial applications. Industry leading impact tests ensure reliable performance in spite of the inevitable accidental drops. The device is impervious to dust and water, and its exit window is scratch-resistant and recessed for the highest level of durability. As a result, you avoid unnecessary equipment downtime or expensive equipment replacement costs.

For applications requiring quick access and convenient storage, the Honeywell 8520 features a built-in metal hook for attachment to a pulley. Two large LED-enhancing windows and an extra loud 80 decibel (db) beeper are strategically placed on the scanner for clear and audible feedback to users.

The extended range Honeywell 8520 is designed specifically for industrial applications. When you choose the Honeywell 8520, you receive the added assurance of purchasing from Honeywell—a company with proven advanced data capture capabilities and millions of scanner installations worldwide.

Features

- **Extended Range Scanning:** Minimizes reach related accidents and maximizes productivity with easy scanning of bar codes as close as .25˝ (6 mm) and as far away as 45´ (13.7 m)
- **Ergonomic Design:** Easily fits oversized, gloved hands with intuitive aiming, improving worker productivity
- **Durable Construction:** Reduces downtime and lowers the total cost of ownership with an IP65-rated design that can withstand accidental drops from as high as 6.5 feet (2m), as well as use in a wide range of temperatures (-22° F to 122° F, -30° C to 50° C)
- **Reliable Scanning:** Beepers and bright LED indicators ensure operators know when they've completed each scan

8520 Technical Specifications

Mechanical	
Dimensions (LxWxH)	74 mm x 122 mm x 185 mm (2.9˝ x 4.8˝ x 7.3˝)
Weight	356 g (12.6 oz)
Electrical	
Power Requirements	4.5 to 14 VDC
Standby Current	50 mA
Power Sources	Depending on host: host power or external power supply
Light Source	650 nm visible laser diode
ESD	Conforms to 20 kV air discharge and 8 kV of contact discharge
Host System Interfaces	RS232, Keyboard Wedge, Wand Emulation, Scanner Emulation, IBM 468X/469X, USB and Synapse
Environmental	
Operating Temperature	-30°C to 50°C (-22°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 95% relative humidity, non-condensing
Drop	Designed to withstand 50 6.5´ (2 m) drops to concrete
Environmental Sealing	Sealed to IP65 specifications
Light Levels	Immune to direct exposure of normal office and factory lighting conditions, as well as direct exposure to sunlight; Indoor: 450´ candles/4,840 LUX; Outdoor: 4,000´ candles/43,040 LUX
Scan Performance	
Scanner Type	Retrocollective
Scan Speed	36 scans per second typical
Symbol Contrast	25% minimum reflectance difference
Roll, Pitch, Skew	±10°, ±65°, ±60°
Decode Capability	UPC/EAN, UPC/EAN with Supplementals, GS1-128 (formerly UCC/EAN 128), JAN 8 & 13, Code 39, Code 39 Full ASCII, Code 39 Trioptic, Code 128, Code 128 Full ASCII, Codabar (NW7), Interleaved 2 of 5, Discrete 2 of 5, Code 93, MSI, Code 11, Code 32, Bookland EAN, IATA, GS1DataBar (formerly RSS)
Warranty	3 year factory warranty

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance
For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies

Typical Performance	
Narrow Width	Depth of Field
7.5 mil Code 39	6 mm - 508 mm (0.25˝ - 20.0˝)
10 mil Code 39	51 mm - 813 mm (2.0˝ - 32.0˝)
15 mil Code 39	76 mm - 1,753 mm (3.0˝ - 69.0˝)
20 mil Code 39	76 mm - 2,388 mm (3.0˝ - 94.0˝)
55 mil Code 39	381 mm - 4,572 mm (15.0˝ - 180.0˝)
70 mil Code 39 Reflective Label	Up to 9.27 m (up to 30´)
100 mil Code 39 Reflective Label	Up to 13.72 m (up to 45´)
Minimum Element Width: 7.5 mil (0.191 mm)	
*Performance may be impacted by bar code quality and environmental conditions	

For more information:
www.honeywellaidc.com

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