

The Speed Demon™ Cordless Linear Imager

MIDCOM Data Technologies



Features

Backlit Graphics Display - With 3 sizes for text options, it displays graphic icons that users can easily recognize.

Non-Glossy Keypad - Input data with protectively coated alphanumeric keys, and implement custom character strings using keypad macros.

Dual LED Indicators - Supply bright, visual feedback from many angles in noisy environments.

Script Engine - Create custom applications that run on the scanner to provide easy, step-by-step application prompts.

IQ Editing Pro™ Software - Parse and send 2D bar codes to your host application without changing the host software.

Extendable/Scalable System - Up to 9 scanners per base*, and 20 bases within 31,400 sq. ft. (2919 sq. m), means lower overall system cost.

Multiple Work Groups - A system can have several application personalities configured. Switching from one to another is as easy as scanning a bar code.

* See Scalability information on back.

Do you want the freedom of complete mobility with your bar code scanner? Do you want to eliminate the possibility of an operator pulling on the cable, stretching it near moving machinery and creating a safety hazard? The host computer is up to 100 feet (30 m) away, and you can't reach the keyboard or see the screen. Imagine interacting with the host computer as if you were standing beside it. The cordless SPEED DEMON provides a portable interface to the host, and is capable of real-time bi-directional communication.

With the SPEED DEMON you can view scanned data and make keypad entries the instant you pick it up. With a few key presses, it is configured for a typical picking application, prompting you to scan a part number and to enter a quantity.

The SPEED DEMON displays graphic icons and text in three sizes. The keypad offers superior tactile response and a familiar telephone layout. Keyboard macros allow you to enter long strings of data, or characters that are not on the keypad.

Changes to your host software can cost a lot of time and money. Instead, create custom applications that run on the scanner itself. Not a programmer?

Construct your application with only a few point-and-click operations using the IQ App Designer™ software package.

Linear imaging technology is synonymous with laser-like reading distances, exceptional durability, high speed, and the best overall value. The SPEED DEMON's ergonomic design and light weight make it ideal for scanning-intensive applications. In addition, the SPEED DEMON is an aggressive bar code scanner, capable of reading the symbologies that matter to you. This includes all the standard linear bar codes, plus PDF417 on shipping labels, RSS codes on shelf labels, and MicroPDF417 on consumer electronic products.

Our scanners are not just warranted to last, but they are designed to last. The SPEED DEMON, built to endure harsh work environments, is backed with a three year warranty, the best of any scanner in its class.

The Speed Demon Specifications

Optical Performance

Illumination: 630 nm Visible Red LED, no moving mirror elements
Sensor: 3648 element linear imager
Read Rate: 270 scans and decodes per second
Horizontal Velocity: 3 in. (7.6 cm) per second
Min. Reflective Difference: 20%
Ambient Illumination: 0 to 100,000 lux

Decoder (full autodiscrimination)

Symbologies Supported: UPC-A, UPC-E, EAN-13 (including Bookland EAN), EAN-8, Reduced Space Symbology (RSS), Code 39, Code 128, UCC/EAN-128, ISBT 128, Codabar, Code 11, Code 93, Interleaved 2 of 5 (including ITF-14), Straight 2 of 5 (including IATA), Matrix 2 of 5, Telepen

THE SPEED DEMON PDF only: PDF417, MicroPDF417, EAN•UCC Composite Symbology

Mechanical/Environmental/Physical

Seal (IEC 529 rating): IP54 (water and dust resistant) **Mechanical Shock:**
Functional after 26 drops from 6 ft. (1.8 m) **Operating Temperature:** 32° to
122°F (0° to 50°C) **Storage Temperature:** -22° to 140°F (-30° to 60°C) **Humidity:** 5
to 95%, non condensing **ESD Protection**

(IEC 801-2 rating): Functional after 15 kV discharge **Scanner with Charge Pack:**

Weight: 18.5 oz. (524 g) **Height:** 8.7 in. (22.2 cm)

Radio

Type: Frequency-hopping spread spectrum, multi point-to-point **Frequency:** Unlicensed 2.4 GHz (ISM Band) **Range:** 100 ft. (30 m), typical **Data Rate:** 1
Mbps **Power Output:** <1 mW **Scalability:** Up to 9 scanners per base, 180 scanners within 31,400 sq. ft. (2,919 m²) with one-way communication to host

Up to 7 scanners per base, 140 scanners within 31,400 sq. ft. (2,919 m²) with two-way communication using Host ACK Up to 4
scanners per base, 80 scanners within 31,400 sq. ft. (2,919 m²) with two-way communication using Host Commands or Host Routines

Charge Pack

Type: NiMH batteries with built-in international charging circuit **Number of Scans:**
13,680 (19 hours at 720 scans per hour) **Input Voltage:** 100 to 240 VAC, 50 to 60 Hz
Charge Time at 120 Vac: 6 hours for full charge from full discharge

Display

Type: High contrast graphic LCD (97 x 32 pixels) with backlight **Font Size:** User-selectable between small (16 chars x 4 lines), medium (12
chars x 3 lines), and large (8 chars x 2 lines)

Keypad

Number of Keys: 16 keys, single-stroke numeric, shifted alpha **Keypad Macros:** One wildcard key and 10 two-stroke function
keys can be set to any string of up to 20 characters

Script Engine

Script Language: VersaCode™ for custom applications without host modifications
Functions: Text and graphic display, input from scanner and keypad, advanced data formatting, host message relay, beeper, LED and backlight control,
and IQ Editing Pro™

Warranty Three year factory warranty **Agency**

Conformance*

Electromagnetic Emissions/Immunity: FCC Part 15 Class B, SOR 88/475 Class B, EN 55022 (CISPR22) Class B, EN 61000-3-2 & -3, ETS 300 826, EMC
89/336/EEC, EN 50082-1:1992, IEC 801-2:1991, IEC 801-3:1984, IEC 801-4:1988 **Electrical Safety:** UL listed, C22.2 No 950/UL 1950, cUL Listed, TUV Rheinland
GS Licensed EN 60950 (IEC950), AS/NZS 3548 **Radio:** FCC Part 15.249, RSS 210, ETS 300 328 *Consult your Customer Account Representative for specific
country agency.

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