



Intermec

Product Profile

- Patented Vista™-quality scanning
- Cable free design for exceptional mobility and safety
- Range up to 50 feet (15 meters) from base station
- 10,000 scans for a full day's use
- Bi-directional communication
- Completely integrated, ergonomic design and light weight for easy use
- More than 1500 interfaces available
- Use of EasySet™ setup software (for Windows) for quick and easy installation
- PDF 417 decoding with manual raster, and new Reduced Space Symbology (RSS) decoding



ScanPlus® 1802 VISTA & MicroBar™ 9735 RF HANDHELD SCANNER

With its innovative design, the ScanPlus 1802 Vista handheld bar code scanner brings cordless technology to the healthcare, retail, office and light industrial environments. The ScanPlus 1802 Vista is appropriate for a variety of applications including patient billing, patient tracking, medicine dispensing, UPN compliance, price management, asset/document tracking, and PC fabrication and assembly. Scanning is easier when all bar codes are within your reach and there is no cable to become entangled or damaged. The ScanPlus 1802 Vista scanner offers the exceptional speed and performance of Intermeccan's patented Vista technology for fast reading and decoding of all bar codes, including damaged or very small codes.

The ScanPlus 1802 Vista is highly flexible; it is able to read PDF-417 and connect with more than 1500 interfaces. Furthermore, the scanner's unique ergonomic shape and light weight (8.2 oz/232 g.) makes it comfortable to hold and use. With a radio range up to 50 feet (15 meters) and a battery capacity to 10,000 scans, the ScanPlus 1802 Vista scanner offers outstanding autonomy. The NiMH battery pack is quickly recharged by the

advanced two bay high-speed charger for a full day of intensive use. As with most Intermeccan scanners, the ScanPlus 1802 Vista is compatible with EasySet setup software for the fastest on line or off line configuration.

Data transmission is very efficient with narrow band technology (433 MHz and 908 MHz). The two-way communication system between the scanner and base station allows real time transmission and acknowledgement to ensure reliability.

The MicroBar 9735 base station can interface with up to 5 cordless scanners as well as other input devices. Moreover, it offers extremely advanced data formatting capabilities. Engineered with the user in mind, the ScanPlus 1802 Vista scanner is associated to its base simply by reading the Association Bar Code on the MicroBar 9735. To work in another area, a user needs only to scan the bar code on the corresponding base. The capability of interfacing multiple scanners to a unique base provides an extremely cost efficient solution.

Experience the ultimate in freedom and autonomy with Intermeccan's ScanPlus 1802 Vista.

Product Contents

A complete kit includes a ScanPlus 1802 Vista scanner, a battery pack, an interface cable, a MicroBar 9735 base station, EasySet configuration software, an Operator's Guide, and a Getting Started Guide.

Physical Characteristics

Length: 3.35 in / 8.5 cm
Width at handle: 1.3 in / 3.3 cm
Width at head: 2.5 in / 6.4 cm
Weight: 8.2 oz (232 g) incl. battery pack

Power

Voltage: MicroBar 9735 - +5VDC (+/- 5%)
Typical Current Draw: N/A (if battery)
Battery Type: NiMH 3.6V / 600mA
Battery Life: 10,000 scans
Recharging Time: 3 hours maximum

Terminal Connectivity

Can connect to hundreds of terminals, including USB, RS 232, keyboard emulation, OlePOS, IBM, NCR, HP 700/xx, DEC VT, Wyse. For detailed information, use the terminal selector within EasySet software (available FOC).

Bar Code Symbolologies

1D codes: UPC (E&A), EAN, Code 39, Interleaved Matrix, Industrial & Standard 2 of 5, Code 128, UCC EAN 128, Codabar, Code 93, ISBN, MSI, Plessey, Telepen
2D stacked codes: PDF 417, CodaBlock A,F

Scanning Performance

Scan rate: 270 scan/s maximum
Minimum X dimension: 2 mils / 0.05 mm on Code 39
Depth of field: 0 - 13 in (0 - 33 cm)
Scan angles: 48°
PCR: 25% min.
Code width: 7 in / 18 cm
Skew: +/- 35°
Pitch: +/- 35°
Optical Parameter: 645 nm visible red LEDs

Scan Range

2 mil / 0.05 mm: 3.3 in / 8.5 cm max (Code 39 only)
3 mil / 0.08 mm: 4.3 in / 11 cm max (Code 39 only)
5 mil / 0.13 mm: 4.9 in / 12.5 cm max
7.5 mil / 0.19 mm: 5.6 in / 14.2 cm max
10 mil / 0.25 mm: 6.2 in / 15.7 cm max
15 mil / 0.38 mm: 7.5 in / 19.1 cm max
20 mil / 0.5 mm: 8.7 in / 22 cm max
40 mil / 1.0 mm: 13 in / 33 cm max
100% UPC/EAN: 7.1 in / 18 cm max

Radio Characteristics

Frequency Band: 433MHz & 908MHz
Radio Type: bi-directional narrow band
Radio Power Output: 1mW (900MHz) & 10mW (433 MHz)
Radio Data Rate: 9600 bds
Channels: 5 (433MHz) & 10 (900 MHz)
Range: up to 65 ft (20 m)
Features: up to 5 scanners linked to a MicroBar 9735 base station

Processor

Custom chip (ASIC including DSP processor) for fast signal processing and decoding
 Flash memory

Accessories

Battery charger
 Spare battery

Environment

Operating Temperature: 32° – 104°F (0 – 40°C)
Storage Temperature: -4° – 131°F (-20° – 55°C)
Recharging Temperature: >41°F (>5°C)
Humidity: 10% – 90% (non-condensing)
Drop Survival: withstands multiple 3.2 feet (1 meter) drops to concrete

Advanced Data Formatting (MicroBar 9735)

Pre- and post-ambules (20 characters + 2 characters for AIM symbology identifiers), port address (15 characters), masking and re-ordering function.

Regulatory Approvals

900 MHz: UL listed, cUL listed, UL 1950
433 MHz: TUV-Rheinland GS licensed EN60950, CE marked
Radio approvals: US version: FCC Part 15.249; European version: EN 300 220

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