

## Product Profile

- Cable free design for exceptional mobility and safety
- Range up to 15m from base station
- Multiple scanners can interface with a single base station
- 7,000 scans for a full day's use
- Bi-directional communication
- Completely integrated, ergonomic design and light weight for easy use
- Short or extended scanning ranges
- More than 1500 interfaces available
- Use of EasySet™ setup software (for Windows) for quick and easy installation



### ScanPlus® 1802 and MicroBar™ 9735 RF HAND HELD SCANNER

With its innovative wireless design, the handheld bar code scanner ScanPlus 1802, part of the ScanPlus 1800 series, brings cordless technology to the Retail, Health Care, Office and Light Industrial environments. Scanning is made easy and all bar codes are within reach. Also the scanner's unique ergonomic shape and light weight (232 g/8.2 oz.) makes it more comfortable to use.

With an operating range of up to 15 meters and an autonomy of 7,000 scans, the ScanPlus 1802 offers exceptional performance. The battery pack (NiMH technology) is quickly recharged by the advanced two bay high speed charger for another day of intensive use. In addition, the ScanPlus 1802 uses the latest scanning technology for fast reading and decoding.

ScanPlus 1802 is highly flexible: with a choice between CCD and laser scanning devices, combined with the capability of connecting with more than 1500 interfaces, ScanPlus 1802 can match the requirements of the most demanding applications.

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

The MicroBar 9735 base station can interface with multiple wireless scanners and up to 4 input devices. As with the MicroBar 9730, it offers extremely advanced data formatting capabilities.

Engineered with the operator in mind, a scanner is associated to its base simply by reading the Association Bar Code on the MicroBar 9735. To work in an other area, an operator needs only to scan the bar code on the corresponding base. Furthermore, the capability of interfacing multiple scanners to a unique base provides an extremely cost efficient solution.

In common with most Intermec scanners, ScanPlus 1802 is compatible with EasySet setup software for the fastest on line or off line configuration.

**General Description**

- A high performance and compact wireless handheld bar code scanner for Retail, Office, Health-Care and Light Industrial applications.
- Models available include the ScanPlus 1802 SR(CCD) and ST (Laser).

**Physical Characteristics**

**ScanPlus 1802**

- Length:** 18 cm (7")
- Width at head:** 6.4 cm (2.5")
- Width at handle:** 3.3 cm (1.3")
- Weight:** 232g (8.2 oz.) (inc. battery)

**MicroBar 9735**

- Length:** 8.5 cm (3.35")
- Width:** 8.4 cm (3.3")
- Height:** 4.2 cm (1.6")
- Weight:** 84g (3 oz.)

**Design Features**

- Processor:** Custom chip (ASIC inc. DSP processor) for fast signal processing and decoding. Flash memory.
- SR Optics:** CCD linear image sensor with sharp aiming beam. Light source: red, long life LEDs.
- ST Optics:** visible Laser diode @ 670 nm. Laser class 2 IEC 825-1/CDRH Class II
- Radio:** 433MHz and 908MHz narrow band

**Performances**

- SR Models:**
- Scan rate:** 400 scans per sec max
- Minimum X dim:** 0.1 mm (4 mil)
- Skew:** +- 65°
- Pitch:** +- 70°

**Depth of field:** up to 10 cm (4") depending on code

0.1 mm (4mil)	0-2 cm	0-0.8"
0.254 mm (10mil)	0-4cm	0-1.6"
100% EAN/UPC	0-5.5 cm	0-2.1"
0.38 mm (15 mil)	0-6 cm	0-2.4"
0.5 mm (20 mil)	0-7 cm	0-2.7"
0.7 mm (27 mil)	0-10 cm	0-4"

**PCR:** 25% min.

**Code width:** 12 cm (4") max (X above .254/10 mil)

**ST Model:**

- Scan rate:** 36 scan/sec
- Minimum X dimension:** 0.125 mm (5 mil)
- Skew:** +- 55°
- Pitch:** +- 65°
- Depth of field:** up to 50 cm, depending on code:

0.125 mm (5 mil)	2.5-8 cm	1.3"
0.254 mm (10 mil):	0-20 cm	0-7.9"
100% EAN/UPC	0-25cm	0-10"
0.38 mm (15 mil)	0-30 cm	0-12"
0.5 mm (20 mil)	0-50 cm	0-20"

**PCR:** 25% minimum

**Bar Codes Supported**

**All Models:** UPC E, A, EAN, Code 39; Interleaved, Matrix, Industrial and standard 2 of 5; Code 128, UCC EAN 128, Codabar, Code 93, MSI, Plessey.

**Environmental Characteristics\***

- Operating temperature:** 0° to 40°C (32° to 104°F)
- Storage temperature:** 20° to 55° (-4° to 131°F)
- Relative humidity:** 10% to 90% non-condensing
- Shock:** withstand multiple drops of 1 m (3.2 ft) to concrete.
- Approvals:** 908MHz: UL listed, cUL listed, UL 1950 433MHz: TÜV-Rheinland GS licensed EN60950, CE marked

**Radio**

- Range:** up to 15 meters (16.5 yds)
- Frequency:**
- European version:** unlicensed 433 MHz
- U.S. version:** unlicensed 908MHz
- Approvals:** European version: EN 300 220-1 U.S. version: FCC Part 15.249

**Base Station MicroBar 9735**

- Interfaces:** RS 232 C, Wedge to PC keyboards, including, including IBM, Apple Mac, and many retail terminals (including IBM 3XXX, NCR, Wyse, etc.)
- Wireless Devices:** possibility to connect multiple wireless scanners
- Input Devices:** up to 4 input devices
- Power requirements:** +5VDC (+/- 5%)
- Advanced Data formatting:** Pre and postambles (20 characters + 2 characters for AIM symbology identifiers), port address (15 characters), masking and re-ordering function.

**Battery Pack**

- 600mAh, NiMH, 3.6V
- Capacity:** up to 7,000 scans

**Charger**

- Modular 2 bay charger 110/240 VAC
- Battery Recharge time:** 3 hr max.
- Size:** 200x 120x75 mm

1802 ST only: US DHHS Standard 21 CFR 1040.10 and 1040.11 (1994) as a Class II Laser product, IEC 825-1 (1993), EN60825-1 (1994) Class 2.

**CAUTION**

LASER RADIATION – DO NOT STARE INTO BEAM  
 0.54mW MAX OUTPUT – 28ms PULSE DURATION  
 670nm LASER DIODE – CLASS II LASER PRODUCT

This product complies with US DHHS Standard 21CFR 1040.10 and 1040.11 (1994) as a Class II Laser Product.

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