Intermec

picolink™

Product
Profile

- Cordless design eliminates cables for safer and more reliable scanning

- Durable design withstands the harshest environments

- Comfortable and light-weight for easy use

- "Smart" battery packs with integral charger eliminate the need for a separate charger

- Up to nine scanners can interface to a single base station for lower acquisition costs

- Unlicensed radio frequency transmission for maximum application flexibility

- Scan engines to match your application: linear imager, with Vista™ powered engine that can read damaged, poorly printed and high-density bar codes

Sabre® 1552 and MicroBar™ 9745

The Sabre® 1552 Cordless Scanner provides unparalleled flexibility in scanning bar codes. Work is made easier and safer with no cable to damage or become entangled in. Users can take the Sabre 1552 to the work site, up to 50 feet from a MicroBar™ 9745 RF Base Station—because both the 1552 and the 9745 use Intermec's PicoLink™ wireless personal area network.

PicoLink operates using an unlicensed 2.4GHz radio frequency (RF) hopping design that has global regulatory acceptance and superior interference immunity versus other narrow band RF sources. Multiple scanners—up to nine—can interface to a single MicroBar 9745 RF Base Station. This gives users unparalleled flexibility in locating host terminals throughout the work area. Lower acquisition costs too… fewer base stations and fewer host terminal connections are required.

The 1552 can be used in any application where a handheld scanner is required, and where a cordless unit is necessary. Typical applications where the 1552 could add value are; Warehousing and Distribution Centers requiring shipping and receiving, and cross docking; Manufacturing Facilities requiring work-in-process, tool cribbing, and pallet tracking, and Asset Tracking requiring back office inventory, document tracking and utilities.

Users can also choose from keyboard wedge, RS 232, POS terminal or wand emulation interfaces, and standard, long-range, high density and high visibility laser scan engines, and Vista linear scan engine for additional application versatility. The 1552 Cordless Scanner is the latest member of the Sabre family of industrial performance scanners. Users will benefit from its ability to withstand the harshest environments—windblown rain and dust (IP54 Sealing), arctic to desert temperature ranges, off road vehicle levels of vibration (20000G's) and 26 drops from 6 feet to concrete.

PHYSICAL DESCRIPTION Sabre 1552 industrial cordless scanner and MicroBar 9745 base station

PRODUCT CONTENTS scanner, base station, EasySet configuration tool

PHYSICAL CHARACTERISTICS
Scanner Length: 8.9 cm (3.5")
Scanner Height: 21.6 cm (8.5")
Scanner Width: 5.6 cm (2.5")
Scanner Weight: 426 g (15 oz.) including battery
Base Station Length: 11.4 cm (4.5")
Base Station Height: 3.8 cm (1.5")
Base Station Width: 8.9 cm (3.5")
Base Station Weight: 206 g (7.2 oz.)

POWER
Battery Type: NiMH
Battery Life: 1260 mAH, 14,000 scans
Recharging Time: 4 hours

TERMINAL CONNECTIVITY
RS-232C, IBM PC XT/AT or PS/2, Mod 30 and many more.
Input Devices: Accepts separate input device through auxiliary port

BAR CODE SYMBOLOGIES UPC (E&A), EAN, Code 11, Code 39, Code 128, UCC EAN 128, ISBN, ISBT, Interleaved 2 of 5, Codabar, Code 93, MSI, Plessy,

SCANNING PERFORMANCE
Scan rate: Linear Imager: 270 SPS
Laser: 36 SPS
Min X dim: Linear
Imager: 2 mil
Standard Range Laser: 5 mil
Scan angles: 48%
PCR: Linear Imager: down to 20%
Standard & High Density Laser: down to 25%
Long Range Laser: down to 40%
Skew: Linear Imager: + - 48 degrees
Laser: + - 55 degrees
Pitch: Linear Imager: + - 48 degrees
Laser: + - 65 degrees
Optical Parameter: Linear Imager: 645 nm visible LED
Long Range & High Density Laser: 650 nm visible laser diode
Standard Range Laser: 670 nm visible laser diode

SCAN RANGE
Linear Imager Engine

2 mil / 0.05 mm:	8.8-12.6 cm		3.5-5"
5 mil / 0.13 mm:	5-20 cm		2-8"
7.5 mil / 0.19 mm:	2.5-34 cm		1-13.5"
10 mil / 0.25 mm:	2.5-36.7 cm		1-14.5"
15 mil / 0.38 mm:	2.5-50.6 cm		1-20"
20 mil / 0.5 mm:	2.5-63 cm		1-25"
40 mil / 1.0 mm:	5-102 cm		2-40.5"
55 mil / 1.4 mm:	7.6-102 cm		3-40.5"
70 mil / 1.8 mm retro-reflective:		23-91 cm	9-36"
100 mil / 2.54 mm retro-reflective:		30-106 cm	12-42"
100% UPC/EAN:		2.5-34 cm	1-13.5"

Standard Range Laser Engine

5 mil / 0.13 mm:	8.1-14.5 cm		3.2-5.7"
7.5 mil / 0.19 mm:	7.4-22.6 cm		2.9-8.9"
10 mil / 0.25 mm:	6.1-34 cm		2.4-13.4"
15 mil / 0.38 mm:	6.1-46.7 cm		2.4-18.4"
20 mil / 0.5 mm:	8.9-62.2 cm		3.5-24.5"
40 mil / 1.0 mm:	11.4-99.1 cm		4.5-39"
55 mil / 1.4 mm:	17.8-124.5 cm		7-44"
70 mil / 1.8 mm retro-reflective:		91-242 cm	36-84"
100 mil / 2.54 mm retro-reflective:		112-226 cm	44-89"
100% UPC/EAN:		2.5-38 cm	1-15"

Advanced Long Range Laser Engine

10 mil / 0.25 mm:	54-80 cm		21-32"
15 mil / 0.38 mm:	51-118 cm		20-47"
20 mil / 0.5 mm:	38-154 cm		15-61"
40 mil / 1.0 mm:	41-250 cm		16-99"
55 mil / 1.4 mm:	56-303 cm		22-120"
70 mil / 1.8 mm retro-reflective:		274-546 cm	108-216"
100 mil / 2.54 mm retro-reflective:		243-698 cm	96-276"
100% UPC/EAN:		54-106 cm	21-42"

RADIO CHARACTERISTICS
Frequency Band: Unlicensed 2.4GHz multi-point to point frequency hoping
Radio Type: PicoLink Radio
Radio Power Output: <1mW
Radio Data Rate: 1 Mb/s aggregate data rate
Range: 30 meters (100 feet)
Features: 20 coexisting systems of 10 nodes each. (Maximum of 200 nodes) 9 scanners to one base station

ACCESSORIES 2-bay charge strip for battery packs, 6-bay charge strip for battery packs, vehicle mount holder for scanner, wall mount holder for scanner, belt clip for base station, wall mount clip for base station, holster and belt
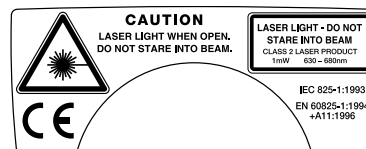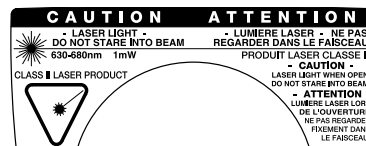
ENVIRONMENT
Operating Temperature: -20 to 50 degrees C (-22 to 122 degrees F)
Storage Temperature: -40 to 70 degrees C (-40 to 168 degrees F)
Battery Storage Temperature:-30 to 60 degrees C (-22 to 140 degrees F)
Humidity: 0-95% non-condensing
Shock and Vibration Protection: Class 3 SAE off-road vehicle specification
Rain and Dust Resistance: Scanner sealed against windblown rain and dust (IEC 529 rated at IP54). 9745 base station rated at IP53
ESD: Conforms to 15 KV rating per IEC 801-2
Drop Survival: 26 six foot drops to concrete

REGULATORY APPROVALS UL listed, C22.2 No. 950/UL 1950, UL listed, TUV Rheinland GS Licensed EN 60950, CE marked, C-Tic marked; FCC Part 15.249, ETS 300 328, RSS 210, NOM-EM-121-SCTI-1994, RCR 33

EMI EMISSIONS Conforms to Class A FCC Part 15, ICES-003 and EN CISPR 22 Class B

DISCLAIMER
"Intermec reserves the right to make changes without notice to any products herein for any reason at any time, including but not limited to improving the reliability, form, fit, function or design. Please contact Intermec for current price list and availability."

CAUTION   ATTENTION
· LASER LIGHT · DO NOT STARE INTO BEAM
· LUMIERE LASER · NE PAS REGARDER DANS LE FAISCEAU
630-680nm   1mW
PRODUIT LASER CLASSE II
CLASS II LASER PRODUCT
· CAUTION ·
LASER LIGHT WHEN OPEN. DO NOT STARE INTO BEAM.
· ATTENTION ·
LUMIERE LASER LORS DE L'OUVERTURE NE PAS REGARDER FIXEMENT DANS LE FAISCEAU

CAUTION
LASER LIGHT WHEN OPEN.
DO NOT STARE INTO BEAM.
LASER LIGHT · DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
1mW   630 – 680nm
IEC 825-1:1993
EN 60825-1:1994 +A11:1996
CE