

IT 3875/ST 2070 Bar Code Hand-Held Scanner



IT 3875 – Cordless Hand-Held Bar Code Scanner with ST 2070 Base Station

The cordless hand-held scanner product range is ideally completed by the IT 3875. In addition to the advantages of the imaging technology, frequency hopping procedure for cordless data transmission and the removable charge packs, the IT 3875 now offers the possibility of interactive communication to a host computer at a distance of 30 meters.

Operational procedures by the user will be significantly facilitated due to the out of the box integrated application software modules. Now various decoded information can be directly read from display of the IT 3875. The number of articles or the bar code information of destroyed labels may now manually entered by the keypad of the hand-held scanner. Generating of tailor-made application software for the IT 3875 saves intensive costs for modifications of the host programming software. For this the hand-held scanner can be simply adjusted to the requirements of the host computer via VersaCode™ programming. For easier and quicker programming the drag-and-drop software package IQ App Designer™ is separately available.

For bidirectional communication with the host the hand-held scanner IT 3875 uses the ST 2070 base station. The new version ST 2070-5 supports up to 9 hand-held scanner simultaneously and each scanner can be associated with 4 different application workgroups. Only this base station provides all interactive features and the customised application programming of the IT 3875. As a matter of course this hand-held scanner can be integrated via the ST 2070-1 standard base station to already installed applications and operate with the out of the box existing application software.

(VersaCode™ and IQ App Designer™ are registered trademarks of HHP)

Benefits:

- More flexibility thanks to display and keypad
- Customised applications without host programming
- Elimination of cables
- Increased mobility of the operator
- Robust license-free system delivers reliable, online and error-free communication
- Each base station supports multiple scanners simultaneously
- Removable and rechargeable batteries making non stop operation possible
- Setup software for easy and clear programming
- Easy-to-use thanks to configuration via bar codes

The IT 3875/ST 2070 at a glance:

- Graphical LCD
- Keyboard
- Broad range coverage up to 3,000 m²
- 2.4 GHz radio frequency to transmit data
- IP 54/IP 53 enclosure rating

Technical Data

Type	IT 3875/ST 2070
Scanner design	IT 3875: Hand-held Linear Imager ST 2070-1: Standard base station ST 2070-5: Base station with additional interactive features for IT 3875
Light source	IT 3875: visible red light ($\lambda=630$ nm), Laser class 2
Ambient light compability	Max. 100,000 lx
Scanning/decoding frequency	270 Hz
Reading distance/resolution	IT 3875 LX: 75 ... 250 mm/0.19 mm IT 3875 HD: 137 ... 167 mm/0.19 mm IT 3875 PDF: 25 ... 160 mm/0.19 mm
Minimum resolution	0.076 mm (IT 3875 HD), 0.127 mm (IT 3875 PDF), 0.17 mm (IT 3875 LX)
Code types	All popular bar code types
Optical/acoustic indicators	1 x LED for Good Read/beeper for Good Read
Display	Graphical LCD, 97 x 32 pixel, backlight, 4 selectable font sizes
Keyboard	16 keys, alphanumeric, 10 function keys, 1 wildcard key
Data interfaces	ST 2070: keyboard wedge for PCs and terminals/keyboard emulation/Wand emulation/RS 232 True
Radio frequency	2.4 ... 2.4835 GHz (ISM band) frequency hopping spread spectrum
Radio data rate	1 Mbit/s
Operating voltage	ST 2070: 4 ... 14 V DC
Current consumption	IT 3875: backlight on: operating/standby: 505 mA/100 mA backlight off: operating/standby: 425 mA/25 mA ST 2070: operating 325 mA at 5 V DC
Housing	Polycarbonate/ABS plastic, UL 95V0
Enclosure rating	IP 54 (IT 3875), IP 53 (ST 2070)
Mechanical shock	26 drops from 1.2 m (ST 2070), 1.8 m (IT 3875) to concrete at room temperature
Dimensions	IT 3875: 151 mm x 222 mm x 81 mm ST 2070: 115 mm x 102 mm x 36 mm
Weight	IT 3875: 525 g including charge pack, ST 2070: 210 g without cable
Temperature (ambient operating/storage)	IT 3875: 0 °C ... + 50 °C/- 30 °C ... + 60 °C ST 2070: - 20 °C ... + 50 °C/- 40 °C ... + 70 °C
Rel. humidity	5 ... 95 %, non-condensing
Removable NiMH-battery charge pack	4.8 V DC, min. 1000 mAh (capacity) Number of scans: 13,680 Expected hours of operation: 19 h (1 scan every 5 s), charge time: 6 h

Order No.	Product
6 026 201 ¹⁾ /6 026 204 ²⁾	IT 3875 LX-B2/IT 3875 LX-C2, Long Range (including NiMH charge pack)
6 026 203 ¹⁾ /6 026 205 ²⁾	IT 3875 HD-B2/IT 3875 HD-C2, High Density (including NiMH charge pack)
6 026 202 ¹⁾ /6 026 206 ²⁾	IT 3875 PDF-B2/IT 3875 PDF-C2, PDF417 and linear bar codes (including NiMH charge pack)
6 026 199 ¹⁾³⁾ /6 026 200 ²⁾³⁾	ST 2070-5B/ST 2070-5C, base station with interactive features for IT 3875, RS 232 True or keyboard wedge
6 020 923 ¹⁾³⁾ /6 025 853 ²⁾³⁾	ST 2070-1B/ST 2070-1C, standard base station, RS 232 True or keyboard wedge
On request	Additional products like interface cables for the connection of ST 2070 to various terminals and keyboards or power units and other accessories

¹⁾ Radio software version B only for Belgium, Denmark, Finland, Germany, Greece, Iceland, Irland, Italy, Luxembourg, Netherlands, Portugal, Slovenia, South Africa, Sweden, Switzerland, Turkey and United Kingdom.

²⁾ Radio software version C only for France and Singapore. Other countries on request.

³⁾ Note: For setting-up operation, an interface cable and a power supply unit are additionally required.

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