TIS WARE

HARDWARE

Honeywell Granit™ 191Xi Barcode Scanners

On the following pages you will find detailed manufacturer information about this product from our TISWARE hardware and software portfolio.

If you need more information, please contact us!

If you have any questions about or are interested in this or other products from our portfolio, please contact our sales team. Our colleagues are happy to help.

Phone: **+49 2871 2722-0**   E-mail: **contact@tis-gmbh.com**

Other products from the TIS GmbH portfolio

TISLOG TELEMATICS SOFTWARE

TISLOG logistics and transport software provides powerful and flexible solutions for mobile order management, capable of exactly what you need for the individual work processes of your business.

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TISPLUS - Clever accessories for ergonomic handling on the go and in the warehouse. und im Lager. Development, design and production of our TISPLUS products take place at 100% in Germany.

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BACKGROUND TIS GMBH

The TIS GmbH, based in Bocholt is one of the market leaders for sophisticated telematics projects. TIS stands for "Technical Information Systems". Since 1985 the company develops intelligent telematics solutions for freight forwarders, transport and logistics companies and retail chains. Currently, more than 50 employees work for TIS. The latest generation of products are the platform-independent software solutions under the brand name TISLOG Logistics & Mobility. Together with the powerful hardware of renowned partners and the in-house developed hardware accessories TISLOG builds the optimal solution for companies looking for professional telematics solutions.

More information on the TIS Gmbh and our portfolio of software, hardware and accessories on
www.tis-gmbh.com

Granit 1910i

Industrial-Grade Area-Imaging Scanner

The Granit™ 1910i industrial-grade area-imaging scanner is designed to withstand the varied demands that exist in harsh working environments. Featuring a custom built housing that is redefining the standard for scanner reliability, the IP65 rated 1910i is built to survive 5,000 3.3´ (1 m) tumbles and 50 drops to concrete from 6.5´ (2 m) even at -22°F (-30°C). As a result, businesses deploying this industry leading offering can expect to experience minimal device downtime and a lower overall cost of ownership.

Powered by Honeywell's Adaptus™ 6.0 imaging technology and its revolutionary decoding architecture, the Granit 1910i provides users with the same exceptional bar code reading performance as the best-in-class Xenon series of area-imaging scanners. From poorly printed and damaged codes to low density linear codes, the 1910i is built to read virtually all bar codes with ease—supporting maximum operator productivity with its enhanced illumination, crisp laser aiming and extended depth-of-field.

Additionally, loud machinery and poor lighting conditions often pose a challenge for operators who rely on scanner feedback as confirmation of "good reads." The 1910i meets this challenge with bright LEDs, enhanced beeper volume and vibrating feedback response—ensuring rapid decode feedback and eliminating redundant scanning.

Created specifically for applications in which high performance scanning is expected and durability is highly valued, the Granit 1910i is the optimal solution for businesses operating in unpredictable conditions.

Features

- **Class-Leading Durability:** The custom built IP65-rated housing is able to withstand 5,000 3.3´ (1 m) tumbles and survive 50 drops from 6.5´ (2 m) at -30°C (-22°F) reducing service costs and increasing device uptime

- **Optimized for Scanning-Intensive Industrial Applications:** Adaptus 6.0 Imaging Technology provides aggressive bar code reading and unrivaled accuracy while the scanner feedback is enhanced for use in extreme environments

- **TotalFreedom™ 2.0:** The second-generation of Honeywell's area-imaging development platform enables the loading and linking of multiple applications to enhance image decoding, data formatting and image processing—eliminating the need for host system modifications

- **Outstanding Scan Performance on Poor Quality and Damaged Bar Codes:** Maintains productivity by providing a worry-free scanning solution that minimizes manual entry

- **Extended Linear Depth of Field:** Scans out-of-reach items with ease and allows users to scan 20 mil linear codes out to 29.5˝ (75 cm) without sacrificing performance on 2D codes

- **Remote MasterMind™ Scanning Management Software:** Quick and convenient solution for IT administrators seeking to manage the scanners within their network from a single remote location

Granit 1910i Technical Specifications

Mechanical	
Dimensions (LxWxH)	133 mm x 75 mm x 195 mm (5.2˝ x 2.9˝ x 7.6˝)
Weight	300 g (10.6 oz)

Electrical	
Input Voltage	4.0 to 5.5 VDC
Operating Power	2.35 W (470mA @ 5 VDC)
Standby Power	0.5 W (100mA @ 5 VDC)
Host System Interfaces	USB, Keyboard Wedge, RS232 TTL

Environmental	
Operating Temperature*	-30°C to 50°C (-22°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	Up to 95% relative humidity, non-condensing
Drop	Designed to withstand 50 2 m (6.5´) drops to concrete at -30°C
Tumble	5,000 1m (40˝) tumbles
Environmental Sealing	IP65
Light Levels	0 to 100,000 lux (9,290 foot-candles)
ESD	±20Kv air discharge, ±8kV contact discharge

Scan Performance	
Scan Pattern	Area Imager (838 x 640 pixel array)
Motion Tolerance	Up to 610 cm/s (240 in/s) at 16.5 cm (6.5") and 381 cm/s (150 in/s) at 25 cm (10.0") for 13 mil UPC
Scan Angle	ER Focus: Horizontal: 31.6°; Vertical: 24.4°
Symbol Contrast	20% minimum reflectance difference
Pitch, Skew	45°, 65°
Warranty	3 year factory warranty

*with industrial grade cable ordered separately

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance
For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies
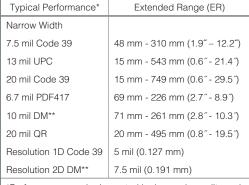
Typical Performance*	Extended Range (ER)
Narrow Width	
7.5 mil Code 39	48 mm - 310 mm (1.9˝ – 12.2˝)
13 mil UPC	15 mm - 543 mm (0.6˝ - 21.4´)
20 mil Code 39	15 mm - 749 mm (0.6˝ - 29.5´)
6.7 mil PDF417	69 mm - 226 mm (2.7˝ - 8.9´)
10 mil DM**	71 mm - 261 mm (2.8˝ - 10.3´)
20 mil QR	20 mm - 495 mm (0.8˝ - 19.5´)
Resolution 1D Code 39	5 mil (0.127 mm)
Resolution 2D DM**	7.5 mil (0.191 mm)
*Performance may be impacted by bar code quality and environmental conditions **Data Matrix (DM)	

For more information:

www.honeywellaidc.com

Honeywell

Honeywell Granit™ 191Xi Barcode Scanners

Hardware - Kit (Corded)

Item number	Description
1910IER-3USB	USB Kit: 1D, PDF417, 2D, ER focus, red scanner (1910iER-3), USB Type A 3m straight cable (CBL-500-300-S00), with vibrator

Hardware - Kit (Cordless)

Item number	Description
1911IER-3USB-5	USB Kit: 1D, PDF417, 2D, ER focus, red scanner (1911iER-3), charge & communication base (CCB02-100BT-07N) USB Type A 3m straight, 5v host power cable (CBL-500-300-S00), with vibrator

Hardware - Scanner Only (Corded)

Item number	Description
1910IER-3	Scanner, 1D, PDF417, 2d, ER focus, red, RS232/USB/KBW, with vibrator

Hardware - Scanner Only (Cordless)

Item number	Description
1911IER-3	Scanner, 1D, PDF417, 2d, ER focus, red, Bluetooth Class 1, with vibrator

Hardware - Stands/Holders/Cordless Bases/Access Points

Item number	Description
AP-100BT-07N	Access Point Class 1 Bluetooth, 100m (300'), up to 7 scanners can be connected RS232/USB/KBW (cables sold separately)
CCB02-100BT-07N	Base: charging, Class 1 Bluetooth, 100m (300'), up to 7 scanners can be connected, RS232/USB/KBW host interfaces (cable sold separately
COB02	Charge-Only Base: only 1 scanner can be charged at a time, power supply must be purchased separately
HOLDER-010-U	Holder: desktop/wall mount (include mounting hardware)
STND-30R00-011-4	Stand: gray, 30cm (12") height, rigid rod, weighted base, Granit cradle
STND-33F00-012-4	Stand: gray, 33cm (13") height, flexible rod, weighted base, Granit cup
VMHOLDERK	Vehicle Mount Kit: contains vehicle mount forked holder (VM Holder), adjustable arm with ball joints (ADJARME) and mounting hardware

Accessories - Cables

Item number	Description
CBL-020-300-C00	Cable: RS232 (5V signals), black, DB9 Female, 3m (9.8´), coiled, 5V external power with option for host power on pin 9

Accessories - Cables

Item number	Description
CBL-020-300-C00-01	Cable - Industrial: RS232 (5V signals), black, DB9 Female, 3m (9.8´), coiled, 5V external power with option for host power on pin 9
CBL-120-300-C00	Cable: RS232C (+/-12V signals), black, DB9 Female, 3m (9.8´), coiled, 5V external power with option for host power on pin 9
CBL-220-300-C00	Cable: RS232 (+5V signals), black, DB9 Male, 3m (9.8´), coiled, external power with option for host power on pin 9 for connection to Wincor Beetle
CBL-320-300-C00	Cable: RS232 (+/-12V signals), black, DB9 Male, 3m (9.8´), coiled, external power with option for host power on pin 9
CBL-500-300-C00	Cable: USB, black, Type A, 3m (9.8´), coiled, 5V host power
CBL-500-300-S00	Cable: USB, black, Type A, 3m (9.8´), straight, 5V host power
CBL-500-300-S00-01	Cable: USB, black, Type A, 3m (9.8'), straight, 5v host power, industrial grade
CBL-500-500-C00	Cable: USB, black, Type A, 5m (16.4´), coiled, 5V host power
CBL-503-300-C00	Cable: USB, black, 12V locking, 3m (9.8´), coiled, 5V host power
CBL-503-300-S00	Cable: USB, black, 12V locking, 3m (9.8´), straight, 5V host power
CBL-503-500-C00	Cable: USB, black, 12V locking, 5m (16.4´), coiled, 5V host power
CBL-720-300-C00	Cable: KBW, black, PS2, 3m (9.8´), coiled, 5 V external power with option for host power

Accessories - Chargers

Item number	Description
MB4-BAT-SCN01EUD0	Charger: 4-bay battery charger (EU) for use with 1902, 1452g, 1202g, 1911i, 1981i, 3820, 3820i, 4820, 4820i & 6320dpm Lithium-ion batteries, EU desktop power supply (PS-050-4000D-EU), two mounting screws (100006897), and Instructions (MBC-INST)
MB4-BAT-SCN01NAD0	Charger: 4-bay battery charger (NA) for use with Voyager 1202g, 1452g, Xenon 1902, Granit 1911i, Granit 1981i, 3820, 3820i, Lithium-ion batteries, NA desktop power supply (PS-050-4000D-NA), two mounting screws (100006897), and Instructions (MBC-INST)
MB4-BAT-SCN01UKD0	Charger: 4-bay battery charger (UK) for use with Xenon 1902, Granit 1911i, Granit 1981i, 3820, 3820i, 4820 & 4820i Lithium-ion batteries, UK desktop power supply (PS-050-4000D-UK), two mounting screws (100006897), and Instructions (MBC-INST)

Accessories - Heater

Item number	Description
520L-12-S3	SCANNER HEATER WITH CABLE RETRACTOR, 12V, works with 8500 and Granit series of scanners
520L-24-S3	SCANNER HEATER WITH CABLE RETRACTOR, 24V, works with 8500 and Granit series of scanners
520L-3648-S3	SCANNER HEATER WITH CABLE RETRACTOR, 36V-48V, works with 8500 and Granit series of scanners
521L-12-S3	SCANNER HEATER, 12V, works with 8500 and Granit series of scanners
521L-3648-S3	SCANNER HEATER, 36V-48V, works with 8500 and Granit series of scanners

Accessories - Parts - Customer Replaceable

Item number	Description
50110266-001FRE	END CAP, CORDLESS, 1911i & 1981i

Accessories - Power

Item number	Description
46-00526	Power Supply: EU plug, 1.0A @ 5.2VDC, 90-255VAC @ 50-60Hz
46-00870	Power Supply: UK plug, 1.0A @ 5.2VDC, 90-255VAC @ 50-60Hz
BAT-SCN01	Battery: Lithium-ion battery for Voyager 1202, 1452g, Xenon 1902, Granit 1911i, Granit 1981i, 3820 and 3820i cordless scanners
PS-05-1000W-C	Power Supply: EU plug, 1.0A @ 5.2 VDC, 90-255VAC @ 50-60Hz (commonly used in continental Europe) - to be used with CCB02-100BT-07N, CCB05-100BT-07N or CCB00-010BT-01N.
PS-05-1000W-G	Power Supply: UK plug, 1.0A @ 5.2 VDC, 90-255VAC @ 50-60Hz

Accessories - Stands/Holders/Cordless Bases/Access Points

Item number	Description
HOLSTER-INDUSTRIAL	When clipped to a user's belt holster enables storage of Granit 1911i and 1981i cordless imagers while leaving hands-free to accomplish other tasks (scanner sold separately)
TOOLBAL	Miscellaneous: Take up reel/balancer

Honeywell Repair Services - Scanner Service Contracts

Item number	Description
SVC1910I-1FC5	1910I, Full Comprehensive, 1 day turn, 5 year DayOne
SVC1911I-1FC5	1911I & base, Full Comprehensive, 1 day turn, 5 year DayOne

MORE HONEYWELL BARCODE SCANNERS

Honeywell offers a whole variety of barcode scanners.
Find more models here:

http://country.honeywellaidc.com/en-GB/Pages/Category.aspx?category=industrial-barcode-scanner&cat=HSM