Scanning and Mobility Reference Guide



Solutions that Enable Productivity

Honeywell

smart solution





Honeywell's Dolphin® 9900 Mobile Computer is built to work harder so you can work smarter.

The Dolphin 9900 delivers on the needs of today's businesses. You get the technologies to capture and communicate more information on the front lines of your business—keeping you more connected with your employees, your customers and your supply chain.

The Dolphin 9900 series was recently expanded with the introduction of the Dolphin 9950. The Dolphin 9950 features an integrated pistol grip that provides comfortable single-handed data collection over extended shifts.

The Dolphin 9900 enables productivity, allowing your employees to work smarter and achieve a competitive edge.

Honeywell



Honeywell Scanning & Mobility is a leading manufacturer of high-performance image- and laser-based data collection hardware, including rugged mobile computers and bar code scanners. Our product portfolio is one of the broadest in the AIDC industry, providing you with solutions for vertical markets such as retail; healthcare; and transportation and logistics. We complement our innovative products with advanced software, service and professional solutions that enable customers to effectively manage data and assets. Honeywell products are sold worldwide through a network of distributor and reseller partners. For more information, please visit www.honeywell.com/aidc.

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Hand-Held Scanners

LASER SCANNERS

Warranty

3 yrs



Warranty

MS9520/40: 5 yrs MS9535: 2 yrs

MS9520 Voyager MS9535 VoyagerBT MS9540 VoyagerCG



Warranty

2 yrs



MS5145 Eclipse™

- · Laser based-alternative with longer working range and wider scan field than typical CCD scanners
- CodeGate® data transmission is ideal for menu-scanning applications
- CodeSense® technology allows for PowerSave mode and automatic wake-up

MS9500 Voyager® Series

- · Automatic trigger allows scanner to function as a handheld or fixed presentation device
- CodeGate data transmission is ideal for menu-scanning applications
- Full scanner line offers models that decode all 1D bar codes including high density codes (MS9521/41 only) for application specific needs

MS9590 VoyagerGS®

- · Ergonomic design allows scanner to fit comfortably into a wide range of hand sizes
- · Increased scan speed provides an aggressive solution for scanning all standard 1D codes
- · Automatic in-stand detection aids in seamless presentation mode scanning
- · Optional integration of RF EAS antenna increases efficiency by simultaneously deactivating RF EAS tags and decoding bar codes



IS4225

- · Wearable scanner fits comfortably on back of hand, preventing operational fatigue
- · Automatic scanning facilitates speedy operation by eliminating the need for repeated button presses
- · Mounts to virtually any device, taking up minimal space

III SMS





EAS



SMS

1D

LINEAR IMAGERS

Warranty 3 yrs



Warranty 5 yrs

3800g 3800gPDF 3800gHD



Warranty 3820: 3 yrs 3800r: 5 yrs

3820 3800r



Warranty 3820i: 3 yrs 3800i: 3 yrs

3820i 3800i



MS3780 Fusion®

- · Primary omnidirectional scan pattern increases throughput by scanning codes in any orientation
- Secondary single-line scan pattern facilitates targeted menu scanning
- · Automatic in-stand detection facilitates seamless presentation mode scanning
- · Optional integration of RF EAS antenna increases efficiency by simultaneously deactivating RF EAS tags and decoding bar codes

3800g Series

- · Optimal combination of scanning speed and read range to meet most application requirements
- · Comfortable, lightweight design for scan intensive use
- · Built to endure the rigors of high-use environments
- · Specialized options for high-density and PDF bar code reading

3800r Series

- · Specialized for extended range scanning with integrated retail interfaces
- · Optimal for use as an auxiliary scanner—minimizes lifting heavy or bulky items at the POS
- Corded or Bluetooth® wireless connectivity options
- FIPS 140-2 Certified Encryption option (3820 only)

3800i Series

- · Industrial-grade durability with impact-absorbing housing
- · Environmentally sealed against dust and moisture intrusion, and withstands extreme temperatures
- · Extended read range
- Corded or Bluetooth® wireless connectivity options
- FIPS 140-2 Certified Encryption option (3820i only)



EAS SMS





IMI SMS

















Hand-Held Scanners

AREA IMAGERS

Warranty

MS1690: 5 yrs MS1633: 2 yrs (SCANNER) 1 yr (BATTERY AND ADAPTER)





Warranty 4820: 3 yrs 4600g: 5 yrs

4820 4600g



Warranty 5 yrs



MS1600 Focus® Series

- · Provides increased throughput for virtually all 1D and 2D bar code reading applicationsincluding poorly printed or damaged bar codes
- · Omnidirectional scanning eliminates the need to orientate the scanner to a bar code
- · Avoid cable clutter and tangles with Bluetooth® wireless connectivity (MS1633 only)













4600q/4820

- · High performance linear and 2D bar code scanning
- Durable, light-industrial construction ensures dependability
- FIPS 140-2 Certified Encryption option (4820 only)
- · Disinfectant-ready housing option for healthcare environments
- · Corded or Bluetooth® wireless connectivity options
- · Bluetooth Interface Module Option (4820 only)















4600r Series

- · Designed specifically for point of sale (POS) presentation scanning applications delivering enhanced functionality only possible with a 2D imager
- · Presentation scanning performance on linear bar codes
- · Enables drivers license reading for enhanced customer service applications such as e-forms and ID verification























Warranty 4820i: 3 yrs 4800i: 5 yrs

4820i 4800i



6300dpm 6320dpm



4800i Series

- · Industrial-grade durability with impact-absorbing housing
- · Environmentally sealed against dust and moisture intrusion, and withstands extreme temperatures
- FIPS 140-2 Certified Encryption Option (4820i only)
- Corded or Bluetooth® wireless connectivity options
- · Bluetooth Interface Module Option (4820i only)















OCR

6000 Series

- · Custom DPM technology combines specialized illumination, optics and decoding software all optimized for DPM applications
- · Easy-to-use software set-up tool optimizes the lighting, optics and decoding to ensure top performance in your environment
- Rugged, ergonomic design to withstand the most demanding environments













LEGEND

Reads 1D bar codes



Reads PDF bar codes



Reads 2D bar codes



Reads Postal bar codes

DPM

Reads Direct Part Mark codes



Reads OCR fonts



Captures digital images



Integrated EAS antenna



Integrated scale



Bluetooth compatible



WiFi compatible

GSM°

GSM/GPRS compatible

Integrated GPS technology



Windows Mobile



Windows CE



IP-rated



Service Made Simple

Powered by Adaptus



Bioptic Scanners

LASER SCANNERS

Warranty 3 yrs



Warranty 3 yrs



Warranty 2 yrs



MS2300 StratosH®

- Six-sided, 360° scanner/scale series optimizes checkout productivity with aggressive pass through scanning, regardless of product orientation
- · Mettler Toledo dual interval scale withstands harsh checkout environments, offers a fast settling time and provides accurate, high resolution weighing
- StratosSYNC™ features independent vertical and horizontal scanning planes that ensure uptime

MS2122 StratosE®

- Smallest six-sided, 360° bioptic scanner in the market optimizes checkout productivity with aggressive pass through scanning, regardless of product orientation
- StratosSYNC features independent vertical and horizontal scanning planes that ensure uptime
- StratosSWAP™ provides field replaceable optical modules that minimize down time and lower costs

MS2400 Stratos®

- Five-sided, 360° scanner/scale series optimizes checkout productivity with aggressive pass through scanning, regardless of product orientation
- Mettler Toledo dual interval scale withstands harsh checkout environments, offers a fast settling time and provides accurate, high resolution weighing
- StratosSYNC features independent vertical and horizontal scanning planes that ensure uptime







III FAS SMS







Hands-Free Scanners

LASER SCANNERS

Warranty 3 yrs

MS7120 Orbit MS7180 OrbitCG



Warranty 3 yrs



Warranty 3 yrs



MS7100 Orbit® Series

- · Customized depth-of-field for tight scanning
- · Omnidirectional presentation laser bar code scanner engineered for first-pass read rate accuracy
- · Contour shape enables it to be picked up for easy scanning
- · CodeGate data transmission is ideal for menu-scanning applications (MS7180 only)

MS3580 QuantumT®

- · Custom configurable scan pattern
- Three modes of operation: raster, singleline or omnidirectional
- · Various stand options which meet user needs
- Extremely aggressive with 1650 scans per second
- Small form factor

MS7320 InVista®

- · Built in RF EAS antenna increases efficiency by simultaneously deactivating RF EAS tags and decoding bar codes
- RS232 auxiliary port allows additional peripherals such as hand-held scanners to be connected
- Field-replaceable window minimizes downtime with quick and easy in-lane replacement



III EAS SMS



III SMS



III EAS SMS

Hands-Free Scanners

LASER SCANNERS

Warranty 2 yrs



Warranty 3 yrs



AREA IMAGERS

Warranty 2 yrs



MS7820 Solaris™

- · Aggressively decodes high-density bar codes and optimizes checkout procedures
- Multiple on-board interfaces provide infrastructure protection and ensure compatibility with POS systems
- · Diagnostic indicator decreases downtime with easy troubleshooting

MS7600 Horizon®

- Compact in-counter omnidirectional scanner
- Built in RF EAS antenna increases efficiency by simultaneously deactivating RF EAS tags and decoding bar codes
- RS232 auxiliary port allows additional peripherals such as hand-held scanners to be connected
- · Glass and Diamonex window options









EAS SMS

III EAS SMS

SMS

IS1650

- · Omnidirectional scanning eliminates the need to orientate the scanner to a bar code
- · Scans/decodes all standard 1D and 2D bar codes
- CodeSelect™ technology scans up to seven bar codes in a single flash then outputs data in any predetermined order
- IR object detection provides activation for hands-free applications







OCR

Hands-Free Scanners

AREA IMAGERS

Warranty 5 yrs



Warranty 2 yrs



Warranty 2 yrs



PRODUCT

4800p

- · Extremely compact form-factor
- · Integrated scanner and presentation stand with tray for scanning small POS items, reading bar coded 1D cards and capturing small images

UIII OCR

SMS (A)

MS7580 Genesis™

- · Superior motion tolerance provides aggressive scanning
- Intelligent multi-interface design reduces overall system costs
- TotalFreedom™ expands scanner functionality by allowing formatting, parsing and decoding plug-ins to be loaded directly into the MS7580 instead of the host system
- Integrated EAS increases efficiency by simultaneously deactivating EAS tags and decoding bar codes













EAS SMS

MS4980

- · Compact form factor allows the scanner to be held comfortably in the palm of the hand or mounted in self-service kiosks
- · Aggressive pass-through scanning enhances productivity
- Intelligent multi-interface design reduces overall system costs
- TotalFreedom™ expands scanner functionality by allowing formatting, parsing and decoding plug-ins to be loaded directly into the MS4980 instead of the host system













Reads 1D bar codes PDF Reads PDF bar codes Reads 2D bar codes Reads Postal bar codes Reads Direct Part Mark codes DPM Reads OCR fonts Captures digital images Integrated EAS antenna Integrated scale Bluetooth compatible WiFi compatible **GSM**° GSM/GPRS compatible Integrated GPS technology Windows Mobile Mobile Windows CE IP-rated

LEGEND



Service Made Simple

Powered by Adaptus

Mobile Computers

Warranty 1 yr



Warranty

1 yr

SP5502 OptimusS SP5535 OptimusSBT



Warranty

1 yr

SP5600 OptimusR SP5650 OptimusRW



ScanPal®2

- · Easy to use Windows-based application generator
- Offers optional "C" and "BASIC" compilers for more experienced programmers
- Back-lit display is easy to read in all lighting conditions
- Various accessory options make it easy to customize to any application

SP5500 OptimusS™ Series

- · Backlit LCD display with adjustable font
- Outstanding feature set in lightweight
- · Cradle communicates RS232 and USB
- Fully charged battery lasts approx. 100 hours (OptimusSBT lasts approx. 36 hours)
- Multiple programming options (Optimizer, BASIC, C) accommodate varying skill levels
- · Class 1 Bluetooth connectivity

SP5600 OptimusR™ Series

- IP65-rated design and 1.2 m shock provide protection against harsh environments
- Durable plastic housing with integrated rubber reinforces construction
- Rechargeable battery offers 200 hours of continuous operation
- Ergonomic design with large, backlit keys facilitates comfortable one-handed
- Integrated 802.11b/g wireless connectivity

III SMS





SMS







Warranty 1 yr



Warranty 1 yr



Warranty 2 yrs



SP5700 OptimusPDA™

- Microsoft Windows® CE.net and a PXA270 520MHz processor combine to offer a powerful, familiar and easy-to-use platform
- IP54-rated design and 1.5 m shock provide protection against harsh environments
- Multiple wireless communication options increase data-transfer efficiency
- · Lightweight, ergonomic design

Dolphin® 7600

- · Full mobile computing functionality in a light-industrial, compact and extremely ergonomic design—optimized for comfortable one-handed use
- Built for reliability in light-industrial environments
- · Full wireless connectivity—GSM/GPRS, 802.11b/g and Bluetooth for real-time communication—anytime, anywhere
- Shift-PLUS™ battery life for 10+ hours of continuous use

Dolphin® 7850

- Optimized design for high-volume in-premise scanning, featuring an integrated pistol grip and easy-to-view upward angled display
- · Industrial-grade design to ensure reliability in harsh, high-use environments
- · Wireless connectivity to enterprise networks and cordless peripherals through integrated 802.11b/g and Bluetooth®
- Flexible data capture options—imaging technology for standard scanning applications or laser options for extended range scanning
- Shift-PLUS™ battery life for 10+ hours of continuous use

















































Mobile Computers

Warranty 2 yrs



Warranty 2 yrs



Dolphin® 7900

- · Industrial PDA-style design
- Full wireless connectivity—GSM/GPRS. 802.11b and Bluetooth® for real-time communication—anytime, anywhere
- Integrated GPS technology enabling location-based applications for improved operator efficiency and more effective field asset management
- Shift-PLUS[™] battery life for 10+ hours of continuous use

Dolphin® 9550/9551

- · Full PDT designed for in-premise and longrange scanning applications
- · Ergonomic pistol grip and large screen for comfort and ease of use
- Wireless connectivity to enterprise networks and cordless peripherals through integrated 802.11b and Bluetooth®
- · Laser scanner for extended range scanning (Dolphin 9551)





















































Warranty 2 yrs



Warranty 2 yrs



Dolphin® 9900

- True industrial-grade durability to ensure reliability in rugged mobile applications
- Optimized design—user-preferred features including angled scan engine and integrated finger saddle
- Full wireless connectivity—integrated GSM/ GPRS, 802.11b/g and Bluetooth for real-time communication—anytime, anywhere
- · Integrated GPS technology enabling locationbased applications for improved operator efficiency and more effective field asset management
- Shift-PLUS™ battery life for 10+ hours of continuous use











GSM° GPS Mobile P64 SMS

























- · Integrated pistol grip ensures comfort during extended periods of usage
- Wireless connectivity to enterprise networks and cordless peripherals through integrated 802.11b/g and Bluetooth®
- · Multiple keypad options deliver functionality for a variety of applications
- Shift-PLUS™ battery life for 10+ hours of continuous use











LEGEND

PDF

DPM

Wi Fi

GSM°

Mobile

Reads 1D bar codes

Reads PDF bar codes

Reads 2D bar codes

Reads Postal bar codes

Reads Direct Part Mark codes

Captures digital images

Integrated EAS antenna

Integrated scale

WiFi compatible

Integrated GPS technology

Windows Mobile

Windows CE

Service Made Simple

Powered by Adaptus

IP-rated

Bluetooth compatible

GSM/GPRS compatible

Reads OCR fonts

OEM

LASER SCANNERS

Warranty

2 yrs



Warranty

2 yrs



Warranty

2 yrs



Warranty

2 yrs



IS4125

- · IR activation for handsfree scanning
- Metal housing offers protection against accidental damage
- · Compact design allows for integration into small devices

IS4813

- · Delivers aggressive scanning of 1D bar codes as small as 4 mil
- Miniature design fits easily into **OEM** devices
- · Mounting holes facilitate quick and easy integration

IS3480

- · Sweet-spot mode determines ideal mounting location for users
- · Unique shape allows mounting in slim profile systems
- · Single-line mode aids in scanning items that contain multiple bar codes or selecting bar codes from a menu
- · Aggressive, reliable scanning

IS220

- · Rugged, high-speed omnidirectional scan engine is ideal for reverse vending and other industrial applications
- · Self diagnostics and remote monitoring minimize down time

1D



1D



LINEAR IMAGERS

Warranty 2 yrs



Warranty 5 yrs



2D IMAGERS



3800E

- · Cost-effective high-performance linear bar code scanning
- · Compact, easy-to-install configuration
- Windows-based programming tools provide easy set-up and configuration
- Fast, accurate PDF417 decoding (3800EPDF model)

3900

- The performance of the 3800E, packaged for fixed-position reading applications
- · Bright, sharp aiming line
- · Presentation mode scanning capability
- Three convenient connectivity options: Keyboard wedge, RS232 serial interface or USB

5000 Series

- Ultra-compact design that can be easily integrated into a variety of devices
- · Reads virtually all linear and 2D bar codes, plus postal codes and OCR fonts
- · Captures digital images























Document Imager Self-Service Kiosk Warranty Warranty 3 yrs 1 yr 4800dr Image Kiosk™ 8570 • Imager, stand and document tray work · Small footprint, taking up minimum floor space together as an integrated document Finger-touch navigation imaging solution · Fast and intuitive bar code reading of all • Enables imaging documents up to 8.5" x linear and 2D bar codes 11" or A4 in size and ensures crisp images • Microsoft® Windows® CE 5.0 operating system regardless of document or font color • Integrated magnetic stripe reader · Reliable technology with no moving parts 1D PDF 2D **Bar Code Verifiers** Warranty Warranty 2 yrs 1 yr QC 800 QC PC600 QC 890

Quick Check On-Line Verifier

• Easy set-up and operation

Quick Check® Series

- Interchangeable optical input devices choice of mouse wand, pen wand or handheld imager
- Bluetooth® wireless connectivity
- Rechargeable battery eliminates power cables
- Simple results storage—save scan results as data files and/or ASCII text files
- Multiple scanning methods—provide reflectance, dimensional and format measurements
- Flexible optical configurations—allows reading and verifying higher-density or lowcontrast symbols
- Simple set-up—Windows®-based software is easy to install and use









LEGEND



Software

SOTI MobiControl

- Enables centralized remote management of Dolphin mobile computers and image kiosk solutions
- Tracks hardware and software assets
- Performs scheduled or ad-hoc file/data synchronization
- Compatible with Dolphin® mobile computers

PowerNet Twin Client

- Connects Dolphin® WLAN mobile computers directly to host applications via TN3270, TN5250 or TNVT terminal emulation and industry-standard TCP/IP protocol
- Enables customized functionality for wireless data collection including keyboard mapping, automated login capabilities and passthrough printing
- Simplifies integration of Dolphin® WLAN mobile computers into a variety of mainframe and open system application environments
- Compatible with Dolphin® 7600, Dolphin® 7850, Dolphin® 7900, Dolphin® 9500 Series, Image Kiosk 8560

ITScript Net

- Allows programmers and non-programmers to quickly and easily write effective data collection applications
- Saves development time by testing data collection applications before deployment
- Compatible with Dolphin® 7600, Dolphin® 7850, Dolphin® 7900, and Dolphin® 9500 Series

NEW PRODUCT

EasyID™

- Parses bar code data found on governmentissued identification cards for applications involving age verification or automatic electronic form population
- Eliminates the need for host system software to process the encoded information contained within 1D and 2D bar codes found on government-issued identification
- Compatible with MS7580 Genesis, MS1690 Focus®, MS1633 FocusBT, IS4920 and IS1650

Omniplanar™ SwiftDecoder™

- Provides hand-held scanners with snappy performance and fixed scanners with industry-leading decode times
- Increases read rates of damaged and poorly printed real-world bar codes
- True 360° omnidirectionality increases easeof-use and first-pass reads

Omniplanar™ SwiftDimension™

- Enables existing fixed-position automatic identification imaging systems to capture accurate two-dimensional measurements of objects within 0.5", eliminating the need for costly or bulky dimensioning equipment
- Maximizes uptime and reduces maintenance by eliminating additional hardware components

Omniplanar™ SwiftJPEG™

- Achieves significantly higher compression ratios than standard JPEG compressors
- Preserves critical image detail for review purposes
- Increases image storage capacity by 20–30 times

Omniplanar™ SwiftOCR™

- Provides existing AIDC imaging devices with high-speed optical character recognition (OCR) of OCR-A, OCR-B and MICR characters, without needing additional OCR dedicated hardware
- Templated-OCR software designed specifically for AIDC hardware reduces costs associated with full-page-OCR software

Omniplanar™ SwiftVerify™

- Allows existing AIDC hardware to quickly and accurate verify 1D and postal bar codes based on ISO/IEC, ANSI and MERLIN specifications
- Authenticates verification results with a single pass over a bar code instead of traditional multi-swipe methods
- Increases workplace efficiencies by allowing operators to both scan and verify with a single piece of AIDC hardware

Services and Professional Solutions

Service Made Simple*

Honeywell's comprehensive service program provides customers with easy, hassle-free repair service for their hand-held, hands-free and bioptic scanners, as well as mobile computers.

Service Made Simple $^{\text{TM}}$ is an affordable solution to help ensure front-line devices are always operating at top performance.

- Full Comprehensive Coverage—devices are covered for normal wear & tear or accidental breakage
- Quick-Turnaround Promise—Hand-held, hands-free and bioptic products will be serviced in one business day, mobility products will be serviced in three business days, and all will be returned to your site via expedited delivery
- Value-Add Maintenance—engineering changes, such as firmware upgrades, will be implemented on your devices during the repair process at no extra cost

Enterprise-Level Custom Service Programs and Factory Warranty Extension Service Plans

Factory Warranty Extensions

For customers who are only interested in factory warranty extensions, Honeywell has a solution. You can extended your products' factory warranty in yearly increments up to a total of five years. Best of all, this can be purchased at any time, and renewed annually. For devices under warranty extension, Honeywell guarantees a 10 day turnaround time.

Enterprise-Level Custom Service Programs

Honeywell offers custom service programs for high-volume customers that require an increased level of support. Features include:

Asset Tracking

- Spares Management
- Coverage Levels

- Application Loading
- · Battery Management
- Turnaround Time

- Custom Reporting
- Custom Packaging/Labeling

Professional Services

Our team of Honeywell professionals and business partners can assist you with in-depth solution planning and project execution, ranging from site analysis and consulting to software application development and system installations—all helping to ensure that your project goals and long-term needs are met.

Software Services

Our software consultants and business solution partners work as an extension of your development team to understand your specific software application requirements and help you build an application that best suits your business needs.

Equipment Configuration and Staging

Device staging and configuration can be an extremely inefficient process to manage internally. We have the ability to save you time and money, improving your overall ROI—by providing devices completely configured for a full "out of the box" solution.

Custom Hardware Configuration

Specifically designed for enterprise-class customers with unique requirements, we offer the option to customize your hardware solutions in a variety of ways to optimize usability in specific applications.

For more information on our products:

www.honeywell.com/aidc 800.582.4263

Honeywell Security & Data Collection

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