



DURASCAN® D600

Ergonomic, Elegant and Rugged

Socket Mobile's D600 is the future of the data capture industry. It is a forward-facing Bluetooth® LE Contactless Reader/Writer* built for mobility and durability. The reader seamlessly supports the widest variety of HF RFID and NFC devices, as well as standard and most proprietary card formats; suitable for hospitality, retail, and logistic industry settings via Bluetooth® Low Energy connection. Compatible with iOS and Android, the D600 is Developer friendly. Using Socket Mobile's SDK, notification tones and vibrations can be easily customized.

*Write operations require software tools available from Socket Mobile.

Please contact support@socketmobile.com for more information.

Features

- **Compatibility** - Certified by Apple® for iOS devices to assure compatibility and meets Apple accessory design guidelines (Release R7). Compatible with all Android (v4.4 or later) and Windows (7/8/10) devices that support Bluetooth Low Energy and applications.
- **Reading** – Fast NFC & RFID Reader (HF tags, labels, smart devices).
- **Writing** – Write/Encode, lock, unlock tags. (Write operations require software tools available from Socket Mobile.)
- **Exceptional Reading Ability** - reads small tags, hard-to-reach tags, tags surrounded by metal or water.
- **Exceptional Ergonomics** – Small, light and fits perfectly in the hand (with or without gloves on) for comfortable use over extended periods of time.
- **Long Lasting Battery** - Power to last up to 16 hours.
- **User Feedback** - Intuitive LED indicators and melodies let users monitor battery, Bluetooth connection and scanning status at a glance.
- **Rugged Design** – Protection rating of IP54 for dust and water splashing protection. Withstands multiple drops to concrete and repeated tumbles.
- **HID Mode (default)** - No software installation required when using the NFC/RFID Reader & Writer in Bluetooth HID mode. (Keyboard emulation mode)
- **Application Integration** – Socket Mobile's Capture SDK enables easy integration in your applications to improve business productivity with fast, efficient and reliable data transfer over Bluetooth wireless technology. (Our SDK is integrated in over 700+ applications.)
- **Wireless (Bluetooth)** - Reading for iOS, Android and Windows mobile devices with long-range Bluetooth connection of 330 feet (100m). Uses Bluetooth low energy 4.2 with Privacy and Security Enhancements.
- **Wearable** - Includes Wrist Strap for convenient access wherever you go.
- **Designed and assembled in the USA**
- **Developer Support Available**
- **1-Year Warranty**

PHYSICAL CHARACTERISTICS

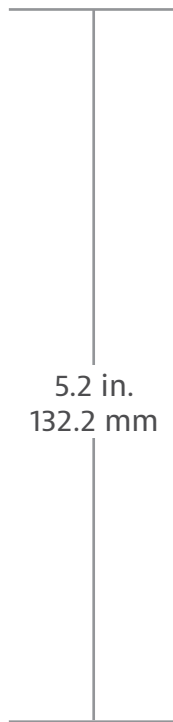
1.5 in. (37.1 mm)



1.6 in. (40.1 mm)



5.2 in.
132.2 mm



Weight/Mass
3.8 oz. (109g)



Battery LED
(Green/Amber/Red)

Read LED (Green and Red)

Bluetooth LED (Blue)

Scan Button

Power Button
(enabled on-screen
keyboard)
in Basic Mode



Cradle/Stand/
Mount
Attachment

Removable
Battery Door
(open via screw)

Dock/Stand
Attachment

Lanyard/Wrist
Strap Eyelet

Pins for Charging
Dock/Stand

Power Connector

HF RFID Tags Supported:	ISO15693: ICode SL2, LRI512, my-d, Tag-It HF-I Proprietary: ICode SLI, PicoTag (no anti-collision), Tag-It HF ISO/IEC 14443 A and B compliant tags with all variants (Mifare, Sony FeliCA) Compliant with EPC GEN 2 HF and ISO 18000-3 mode 3 NFC: NFCIP-1, ISO/IEC 18092) in tag reader/writer mode
Write Mode	Write mode is supported using the PCSC protocol over Bluetooth LE. Compatibility is subject to the card type, content and authentication level. Please, contact Socket Mobile at support@socketmobile.com to discuss your requirements.
Maximum RFID Read Range:	0.4" - 2" (10 - 50 mm)

RFID READER TYPE

NFC/RFID front-end:	NXP CLRC663
Carrier frequency:	13.56 MHz (RFID HF, NFC)
Read/Write Speed:	26 kbps (ISO 15693), 106kbps (ISO 14443, 212/424kbps (ISO 18092)
Antenna:	Integrated, 28mm x 14mm, balanced

BATTERY

Battery Type:	1400 mAh Lithium Ion Polymer (replaceable battery)
Charge Time:	6 Hours
Battery Life:	Battery Life: 500 charge-discharge cycles
Battery Life - Per Full Charge:	Standby time: 30 hours Active Operation time: 5,800 reads
Note:	Battery life varies depending on ambient temperature, ambient light and age of battery. For more battery information click here .
Number of Batteries Used:	1
Weight of Battery:	35g
Percentage Lithium:	26.5%
Battery mAh:	1400 mAh
Number of Cells Per Battery:	1
Watt Hours Per Battery:	5.55
Type of Cell (ex.AA):	Proprietary
Chemical Composition (ex. Alkaline):	Lithium-polymer
Lithium Content:	9.32g
Battery Voltage:	3.7v
Hazmat UN Number:	UN3481, P.I. 967
ROHS Compliance Indicator:	Yes, included with scanner
Country of Origin:	China
Commodity Code:	8507.60.0000

BLUETOOTH (WIRELESS CONNECTION)

Bluetooth Radio:	Bluetooth Low Energy, version 4.2
Bluetooth Range:	Up to 100 m (330 ft.) depending on environment, range limit is usually due to the Host Device (phone, tablet or notebook)
Bluetooth Connection:	Basic Mode – HID (Human Interface Device) Keyboard Emulation. Application Mode – RDR (RFID Reader only) and PC/SC (for Read & Write) enabled by the SDK. *Basic Mode is the Factory Reset (default) Bluetooth connection.

USER ENVIRONMENT

Operating Temperature:	-20° to 50° C (-4° to 122° F)
Storage Temperature:	-40° to 70° C (-40° to 158° F)
Relative Humidity:	95% at 60° C (140° F) (non-condensing)
Sealing:	IP54 (Ingress Protection rating for dust and water) EN60529
Drop Specifications:	Multiple 5 ft. drops to concrete
Tumble Specification:	250 cycles at 1.64 ft. (0.5 m) (500 drops), IEC60068-2-31, IEC60068-2-32

OPERATING SYSTEM SUPPORT

Android OS - Basic Mode (HID) & Application Mode (RDR and PC/SC)* Windows 10, 8, and 7 - Basic Mode (HID Keyboard Emulation)*

Apple iOS - Basic Mode (HID Keyboard Emulation) & Application Mode (RDR and PC/SC)* Mac OS - Basic Mode (HID Keyboard Emulation)*

*Basic Mode is the Factory Reset (default) Bluetooth profile.

Made for iOS, Android, or Windows devices with Bluetooth LE.

iOS



OS X

CERTIFICATION & REGULATORY

Bluetooth SIG:	Design ID: 83178
Electrical Safety:	Certified to IEC 60950-1, UL 60950-1, CAN/CSA C22.2
Environmental:	Environmental: RoHS EN 50581
EMI / RFI:	FCC Part 15 Class C, RSS 210, iCES 003, C-Tick, CISPR 22, CE EN55022, EN55024, TELEC FCC ID: LUBD600 IC ID: 2529A-D600 Contains: FCC ID: QOQBGM111; IC: 5123A-BGM111



WARRANTY

Reader:	Standard one year limited warranty
Accessories:	90 days
Extended Warranty: (sold separately)	www.socketmobile.com/socketcare



Retail/Point of Sale

Warehouse management

Office use

Shipping & Receiving

Healthcare

Field Sales/Service

Mobile Tracking

SINGLE PACKAGE INCLUDES

- DuraScan D600, Contactless Reader/Writer, Black or White
- USB to DC Plug Charging Cable
- Wrist Strap, Black

*Bundle options available



OPTIONAL ACCESSORIES

Charging Stand



Great for using AutoScan Mode

*Charging Dock



Ideal as a desktop charger

Durable Retractable Clip



Provides quick access to scanner

Holster



Safe and accessible placement

Wrist Strap



Scanner & Phone Holder



One-handed solution

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