

DataVision

HANDHELD INDUSTRIAL TERMINAL



DVHH83 UHF RFID



Handheld Industrial Terminal

DVHH83 UHF RFID



DESCRIPTION



1. Industrial Wi-Fi terminal with integrated HF / UHF RFID reader & 5Mpx BAR code reader fits to any kind of industrial applications.
2. Usable for factory & logistic applications, warehouses, retail etc.
3. Rugged design ready to all day usage. DVHH83xxx offers higher 5.2ft / 1.6m drop specification with IP65 sealing
4. Best in class reading performance / superior sensitivity / quick response time no matter of TAG orientation
5. Supporting reading of UHF TAGs EPC / USER / 1D + 2D BAR codes / HF tags / NFC integrated

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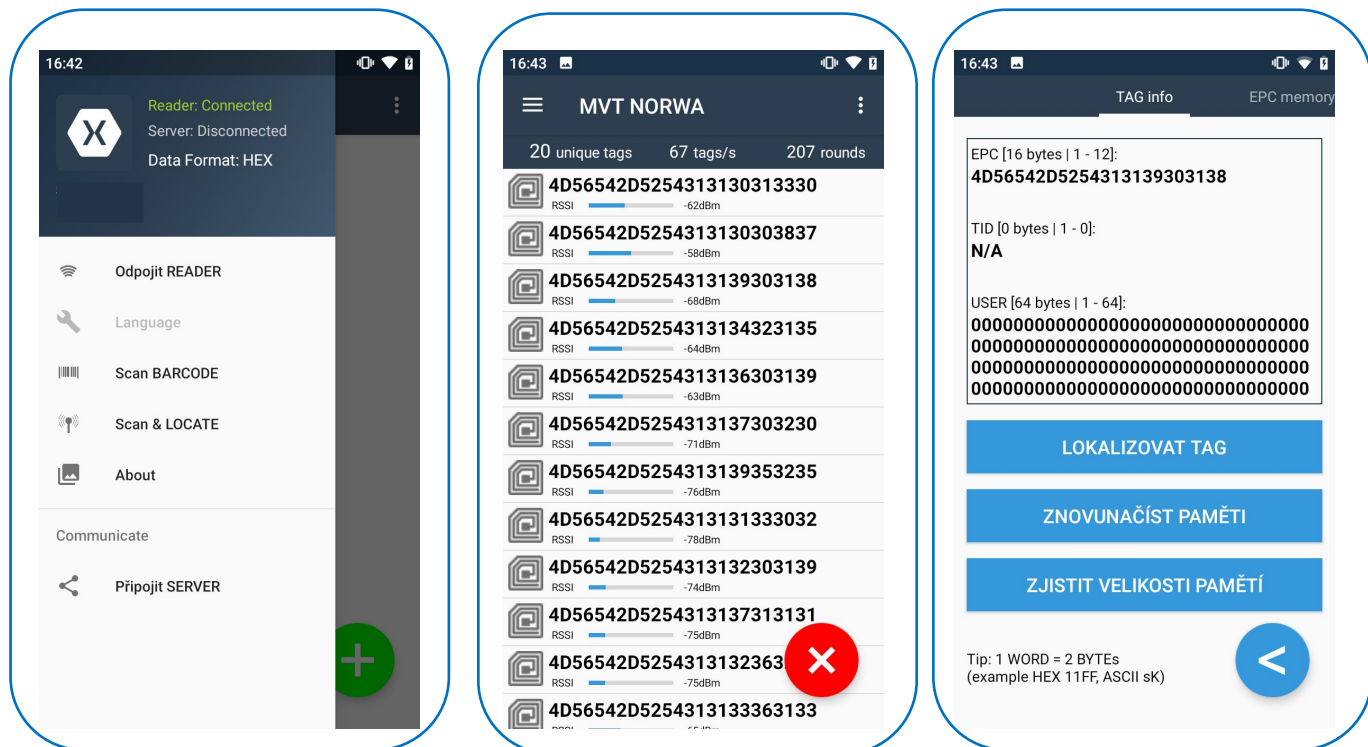
DESCRIPTION



6. Extended battery life up to 12h / easy battery replacement, could be also charged separately in basic station
7. Operation system android 9 enable further development
8. Huge 4.7" color touch display with great visibility in any kind of lighting conditions
9. Integrated SW MVT NORWA+ for HF / UHF TAGs inventory (read, write, localisation, lock, DATA comparison)
10. Customer request modification possibilities with SQL database & MES systems

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INTEGRATED SW PACKAGE NORWA +

- TAGs ID & Data Content
- TAGs inventarisation, memory size findings
- READ/WRITE data to EPC & USER
- LOCK / TAGs deactivation possible
- TAGs localisation , Function SCAN & LOCATE
- Conversion between HEX / ASCII formats
- ASCII table integrated
- SCAN & COMPARE function integrated

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UHF RFID IDENTIFICATION

Supported standard	ISO 18000-63 (EPC Class 1 Gen2)
Frequency	ETSI 865.6-867.6 MHz or FCC/IC 902-928 MHz
RF radiated power	ERP 2 W / EIRP 3.3 W
Antenna features	• Software controllable antenna polarizations (vertical/horizontal) • Reading range up to 15 m/ 50 ft ms
Max receive senitivity	-80 dBm
Typical reading speed	Up to 1000 tags per second



BARCODE IDENTIFICATION AND IMAGING

2D imager	• All maior 1D barcodes and 2D codes • High visibility LED aimer • 2 characters pre and post fixes, padding, replacement • Enhanced aiming mode (automatic switching between scan line / aiming dot) • Configurable scan alert sounds
Camera	5 Mpix rear-facing camera with auto focus and LED flash (torch mode supported)

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CONNECTIVITY

Wireless WAN (optional)	Europe • 4G LTE (B1/B3/B5/B7/B8/B20/B28A/B38/B40/B41) • 3GWCDA (B1/32/B5/B8) • GPRS/ EDGE (850/900/1800/1900)
GNSS (optional)	Assisted GPS. BeiDou. GLONASS and Galileo
Wireless LAN	IEEE802.11 a/b/g/n/ac. Dual band WLAN, supports 2.4 GHz and 5 GHz networks
Wireless PAN	• Bluetooth 4.2 Class 2 • Classic and Low Energy modes supported
PAN	• USB 2.0 via USB Type-C connector • Desktop charger provides USB connectivity via USB Type-C connector
NFC	NFC standards supported: ISO/IEC 14443A, ISO/IEC 14443B, FeliCa, ISO/IEC 15693 (Vicinity)

ENVIRONMENT

Temperature	Operating -20° t0 +55 °C -4 t0 +131 °F	Storage -20° to +60 °C -4to +140 °F	Charging 0° to +45°C +32to +113°F
Relative humidity	10 % to 95 % non-condensing		
Environmental sealing	IP65		

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POWER

Battery

- Rechargeable, removable Lithium-Ion battery: 6700 mAh. 3.6 V or 3350 mAh. 3.6 V
- Upto 12 hours in intensive use

Charging

- Charging over desktop charger (0 to 100 %) 4 h
- Charging over USB Type-C connector (0 to 100 %) 4 h (with charger supporting Qualcomm Quick Charge 3.0)

External power supply

- AC adapter for desktop charger: input 100-240 VAC, 1A, 50-60 Hz/output 24 VDC. 1.25A 30 W / Power cable for EU. UK or US
- AC adapter for multiunit desktop charger: input 100-240 VAC, 1A, 50-60 Hz / output 24VDC, 6.25A/ 150W / Power cable for EU. UK or US

Backup battery

Back-up battery for real-time clock: keeps time for 200 days

Battery Hot Swap

Supported



DROP AND SHOCK

Drop and impact resistance

1.6 m/5.2 ft

Relative humidity

Contacts	+/-4kVdc
Air discharge	+/-8 kVdc

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SIZE AND WEIGHT

Dimensions

- DV HH83 RFID ACD
 - (H) 212 x (M) 83/72 x (D) 133/29 mm/
(H) 8.3 x (W) 3.3/2.8 x (D) 5.2/1.1 inch
- DV HH83 BARCODE
 - (H) 177 x(W) 78/72 x (D) 35/29 mm/
(H) 70 x (W) 3.1/2.8x (D) 1.4/1.1 inch

Weight

- DV HH83 RFID ACD
 - With 6700 mAh battery: 515 g/ 18.17 oz
 - DV HH83 BARCODE
 - With 3350 mAh battery: 340 g / 11.99 oz
 - With 6700 mAh battery: 380 g / 13.40 oz
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