

MEMOR™ 10

Mobile Computer

MEMOR™ 10 – THE POWER OF A SMARTPHONE, DESIGNED FOR ENTERPRISE

If you are looking for the power and the performance of a smartphone but are concerned about the typical Enterprise challenges, the new Datalogic Memor 10 PDA is the perfect rugged device for you! Memor 10 incorporates the latest smartphone technologies and the user friendly experience of Android™ in a slim and compact design, combined with high performance 1D/2D bar code scanning and industrial robustness for almost any indoor or outdoor environment.

WIRELESS CHARGING MEETS SWAPPABLE BATTERY

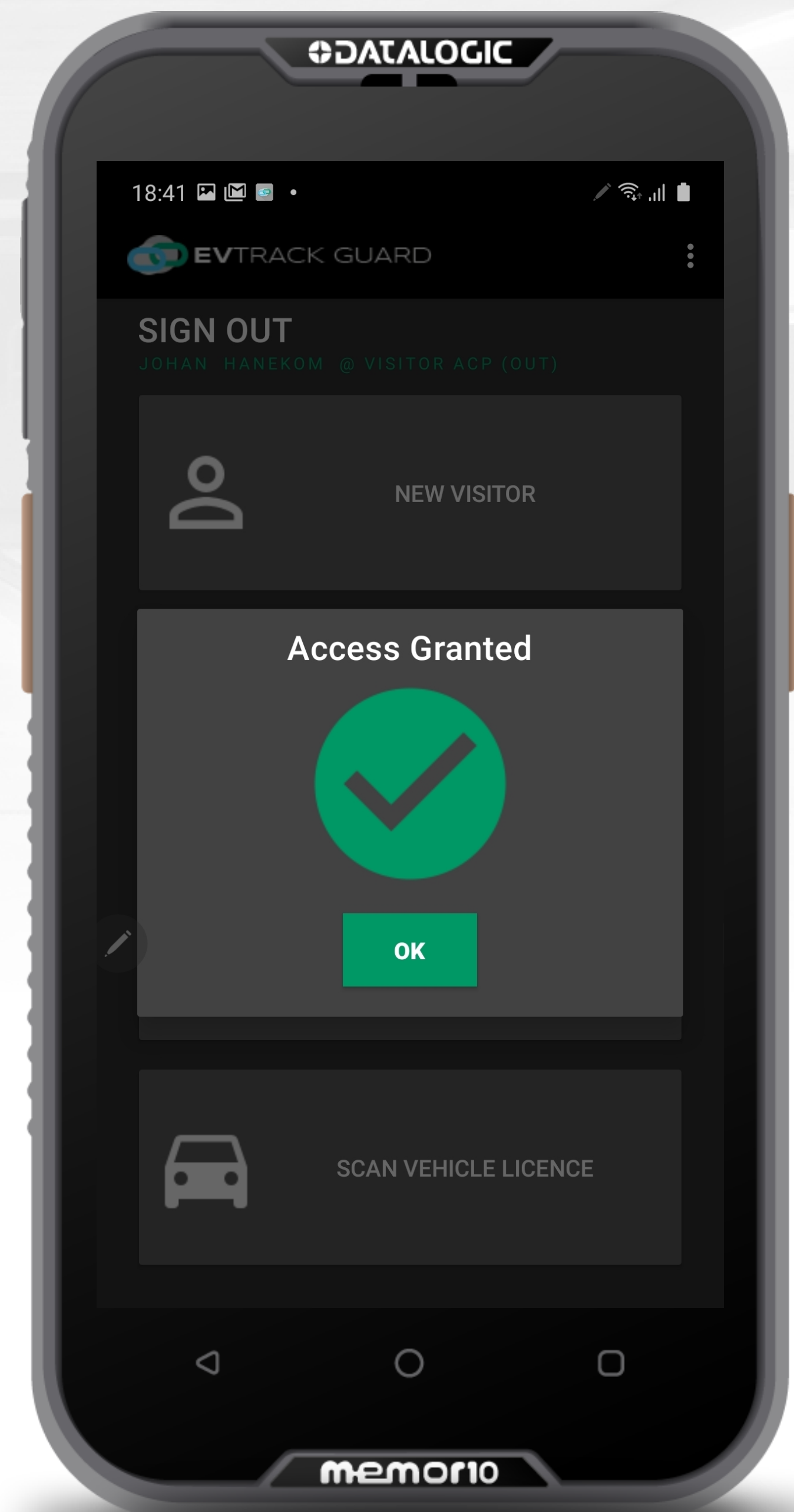
If you are looking for the power and the performance of a smartphone but are concerned about the typical Enterprise challenges, the new Datalogic Memor 10 PDA is the perfect rugged device for you! Memor 10 incorporates the latest smartphone technologies and the user friendly experience of Android™ in a slim and compact design, combined with high performance 1D/2D bar code scanning and industrial robustness for almost any indoor or outdoor environment.

TOP PERFORMANCE

The Memor 10 is powered by a superior octa-core platform clocked at 2 GHz for top performance with the most demanding applications, and features Android 8.1 (Oreo) with Google Mobile Services (GMS). Moreover, the Memor 10 is one of the first rugged mobile computers to be validated by Google for the 'Android Enterprise Recommended' program for rugged devices.

COMMUNICATIONS

The Memor 10 leverages a complete set of embedded wireless technologies for both indoor and outdoor applications: dual band Wi-Fi including the latest 802.11ac standard, Bluetooth® v4.2 with BLE for fast and ultra-low power connections, NFC for easy pairing, and particularly the cellular area voice and data connectivity, already leveraging the next generation of LTE-Advanced/4G+.



Features

Ultra-Ergonomic, compact and robust

5 inch capacitive multi-touch HD display with Dragontrail™ hardened glass

Android 8.1 (Oreo) with Google Mobile Services (upgradeable to Android 9)

Wireless charging eliminates all contacts on the device and cradle

Ruggedized with drop resistance to 1.5 m / 5 ft to concrete and IP65 sealing

Dual band Wi-Fi including the latest 802.11ac standard and 802.11r/k for fast roaming

Full suite of cellular connectivity for voice and data, featuring LTE-Advanced / 4G+ Assisted GPS for location based apps

Bluetooth v4.2 short range wireless technology

NFC for proximity communications

Advanced 2D ultra-slim imager with Datalogic's patented 'Green Spot' technology for visual good-read feedback; choice of VGA or Megapixel imager

Datalogic's SoftSpot™ technology for innovative triggering through the touch display

Chemical resistant plastics / enclosure designed to withstand daily cleaning with harsh disinfectant solutions

EASEOFCARE Service Plans offer a wide range of options to protect your investment, ensuring maximum productivity and ROI. Datalogic Shield, for Android security patches and OS upgrades, is included with EASEOFCARE.

Industry - Applications

Retail

Assisted sales
Inventory
Access control
Shop floor applications
Mobile POS

T&L

Route accounting
Direct store delivery
Workforce management
Courier value-added services

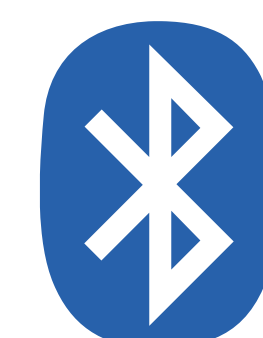
Manufacturing

Production and quality control
Intra-logistics
Inventory
Field maintenance

Healthcare

Bedside care
Pharmacy
Inventory management
Labs
Home healthcare

NOTE: The Android robot is reproduced or modified from work created and shared by Google and used according to terms described in the Creative Commons 3.0 Attribution License.



MEMOR™ 10 Technical Specifications

WIRELESS COMMUNICATIONS

Local Area Network (WLAN)

IEEE 802.11 a/b/g/n/ac and 802.11 k/r/v; Frequency range:
Country dependent, typically 2.4 GHz and 5 GHz bands

Personal Area Network (WPAN)

Bluetooth wireless technology v4.2 (Classic Bluetooth wireless technology and BLE)

NFC Communication

Support for the following standards: ISO14443-4 (type-A, type-B); ISO15693; Mifare; Felica

WWAN / Cellular

LTE-Advanced / 4G+; Cat 6
• EMEA and ROW Configuration: GSM: Quad band;
CDMA: BC0; WCDMA: B1/5/8; FDD_LTE:B1/3/5/7/8/20/28;
TDD_LTE:B38/39/40/41
• North America Configuration (PTCRB certified):
GSM: Quad band; CDMA: BC0/1; WCDMA: B1/2/4/5/8;
FDD_LTE:B2/4/5/7/12/13/17/25/26;
TDD_LTE:B38/39/40/41

Global Positioning System (GPS)

Integrated Assisted-GPS (A-GPS) Supported Types: GPS, GLONASS, BeiDou

DECODING CAPABILITY

1D / Linear Codes

Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.

Digital Watermark Codes

Digimarc® Barcode

2D Codes

Aztec Code, Data Matrix, HanXin Code, MaxiCode, MicroQR Code, QR Code, Dotcode

Postal Codes

Australian Post, Japan Post, KIX Code, PLANET, POSTNET, Royal Mail Code (RM4SCC), UPU FICS, USPS Intelligent Mail

Stacked Codes

Micro-PDF417, PDF417, GS1 DataBar Composites, GS1 DataBar Expanded Stacked, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional

ELECTRICAL

Battery

Replaceable battery pack with rechargeable Li-Ion batteries; 3.8v; 4,100 mAh (15.6 Watt-hours)

Wireless Charging

Qi Compliant; 10 Watt fast charging

ENVIRONMENTAL

Drop Resistance

Withstands drops from 1.5 m / 5.0 ft onto concrete (with rubber boot); Withstands drops from 1.2 m / 4.0 ft onto concrete (without rubber boot). Tested onto steel/concrete according to IEC 68-2-32 Method 2 and MIL STD 810G Transit drop test.

Tumbles

Withstands 1000 hits from 0.5 m / 1.6 ft and 250 hits from 1.0 m / 3.2 ft per IEC 600-2-32 with rubber boot; Withstands 600 hits from 0.5 m / 1.6 ft per IEC 600-2-32 without rubber boot

Particulate and Water Sealing

IP65

Chemical Resistance

Chemical cleanser and industrial oil resistant (both Standard and Healthcare models)

Healthcare Cleanable

Isopropyl Alcohol, Hydrogen Peroxide, Clorox® Bleach; applicable for both the device and docks

Temperature

Operating: -20 to 50 °C / -4 to 122 °F

Storage/Transport: -30 to 70 °C / -22 to 158 °F

INTERFACES

Interfaces

USB-C: High Speed USB 2.0 Host and Client

SENSORS

Vibration

Software programmable for duration and intensity

Accelerometer

3-Axis accelerometer to detect orientation

Gyroscope

Senses angular velocity

Proximity

Auto deactivates display when close to face

PHYSICAL CHARACTERISTICS

Dimensions

15.5 x 7.8 x 1.87 cm / 6.1 x 3.07 x 0.73 in

Display

5 inch IPS HD resolution 720 x 1280; LED backlight; Touch Screen: 5 points multi-touch capacitive panel with Dragontrail hardened glass

Keys

Physical Keys: 2 side scan keys; Power On/Off; Volume Up/ Down; 3 user programmable Android™ keys

Weight

With Battery: 285.0 g / 10.0 oz

READING PERFORMANCE

Camera

Resolution: 13 megapixel; Illumination: User controllable LED flash; Lens: Auto focus

Scan Engine

2D Ultra slim area imager (supports 1D / 2D codes); Datalogic's 'Green Spot' for good-read feedback; Halogen™ DE2101 scan engine: Depth of Field: 8.5 to 50 cm / 3.3 to 19.7 in depending on bar code density and type; Resolution: VGA (640 x 480 pixels); Illumination: White LEDs; Aiming: LED; Field of View: 48°H x 34°V Halogen™ DE2102 scan engine: Depth of Field: 4 to 90 cm / 1.6 to 35 in depending on bar code density and type; Resolution: Megapixel (1280 x 800 pixels); Illumination: White and Red LEDs (for Digimarc); Aiming: 650nm VLD; Field of View: 42°H x 26°V

Print Contrast (Minimum)

25%

Minimum Element Width

Halogen™ DE2101 scan engine: 1D Linear: 0.0762 mm / 4 mils; PDF: 0.127 mm / 6.6 mils; Data Matrix: 0.195 mm / 7.5 mils Halogen™ DE2102 scan engine: 1D Linear: 0.0635 mm / 2.5 mils; PDF: 0.0762 mm / 3 mils; Data Matrix: 0.152 mm / 6 mils

SAFETY & REGULATORY

Agency Approvals

The product meets necessary safety and regulatory approvals for its intended use.

Environmental Compliance

Complies to EU RoHS

SOFTWARE

Applications

Datalogic's SoftSpot technology for configurable soft triggers; Supports Datalogic's Queue Busting app; Pre-licensed device and browser lockdown powered by 42Gears; Enterprise class PTT available from Zello

Configuration and Maintenance

Scan2Deploy Studio, DXU, OEMConfig

Development

Java, Cordova and Xamarin SDK available

Terminal Emulation

StayLinked SmartTE, Ivanti Velocity

SYSTEM	
Expansion Slots	Micro-SD card slot: Compatible with Micro SD-HC cards; Data transfer up to 48 Mbps; User-accessible
SIM Slot	MicroSIM Standard size
Memory	System RAM: 3 GB; eMMC Flash: 32 GB
Operating System	Android v8.1 with GMS (upgradeable to Android 9)
WARRANTY	
Warranty	1-Year Factory Warranty

MEMOR™ 10 Accessories

BASE STATIONS/CHARGERS



Single Slot Dock



3-Slot Dock



Battery Charger

MISCELLANEOUS



Vehicle Dock



Attachable Pistol Grip



Rubber Boot