



Datalogic Memor 11 – Universally usable

- ✓ Proven robust design with current hardware and future-proof software
- ✓ Cost-efficient configuration - Wi-Fi technologies only or Wi-Fi and mobile communications
- ✓ Improved scan engine and lighting for even faster scans in all environments
- ✓ Removable battery with long runtime and wireless charging
- ✓ Android Enterprise Recommended with enhanced security and privacy features

Features

Readable codes: 1D, 2D, Digimarc, Post, Stack

Display: 5 inch, Dragontrail glass

Operating system: Android 11 with Google Mobile Services (upgradeable to Android 13+)

Processor: 2 GHz Octa-Core

Memory: 4 GB RAM, up to 32 GB Flash

Feedback: LED, green spot, sound and vibration

Buttons: 2 scan triggers, on/off, volume, 3 user programmable Android keys

Communication: WLAN, LTE, Bluetooth, NFC, USB C

Additional features: cameras (13 MP), GPS, various sensors

Battery: 4100 mAh, wireless charging

Protection: IP65, drop-proof up to 1.5 m

Operating temperature: -20 - 50 °C

Dimensions (W x L x H): 78 x 155 x 18 mm

Weight: approx. 285 g

Optional accessories

1-fold charging station

3-fold charging station

4-fold battery charging station

Ethernet adapter

Vehicle mounts (with wireless charging)

Handle with trigger

Rubber Boot

RFID Reader Sled

WIRELESS COMMUNICATIONS	
Local Area Network (WLAN)	IEEE 802.11 a/b/g/n/ac and 802.11 d/h/i/k/r/v/w; Wi-Fi alliance Certification; WPA3 (Personal and Enterprise)
Personal Area Network (WPAN)	Class 2, Bluetooth® V5.0, Low Energy (BLE) Support
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; WCDMA: B1/5/8; FDD_LTE: B1/2/4/5/8; TDD_LTE: B38/39/40/41 • North America Configuration (PTCRB certified): GSM: Quad band; WCDMA: B1/2/4/5/8; FDD_LTE: B2/4/5/7/12/13/17/25/26/28
Only applies to Wi-Fi/Cellular Model	
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), USPS Intelligent Mail
Stacked Codes	Micro-PDF417, PDF417, GS1 Composite, GS1 DataBar Expanded Stacked, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, OCR (ID Cards, Passport)
ELECTRICAL	
Battery	Replaceable battery pack with rechargeable Li-Ion batteries; 3.8 V; 4,100 mAh (15.6 Watt-hours)
Wireless Charging	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
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
Magnetometer	Senses orientation (eCompass)
Accelerometer	3-Axis accelerometer to detect orientation
Gyroscope	Senses angular velocity on WWAN models only
Ambient Light	Auto adjusts display backlight
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™ DE2102-HP: 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™ DE2102-HP: 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; Enterprise class PTT available from Zello
Provisioning	Android Zero-Touch, QR Code enrollment, NFC Bump provisioning
Configuration and Maintenance	Scan2Deploy Studio, OEMConfig
Software Maintenance	Datalogic Shield: recurring security patches, firmware updates, and OS upgrades.
Development	Java, Cordova and Xamarin SDK available
MDM Compatibility	SOTI MobiControl, VMWare AirWatch, Ivanti Avalanche, 42Gears SureMDM, Microsoft Intune
Terminal Emulation Compatibility	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: 4 GB; eMMC Flash: 32 GB
Microprocessor	2 GHz Octa-core
Operating System	Android v11 with GMS / AER (Upgradeable to Android 13+)
Real-Time Clock	Time and date stamping under software control
WARRANTY	
Warranty	1-Year Factory Warranty