MEMOR™ 12-17 FAMILY

Enterprise-Grade Power in a Pocket-Sized Design

SCAN RANGE 1 m

GREEN SPOT

Wi Fi 6E CERTIFIED

5G

Bluetooth 5.3

360°

FRONT CAMERA & PUSH TO TALK

EASE OF CARE

Powered by DATALOGIC MOBILITY SUITE

+8 h

DUST & WATER PROTECTION

BUILT TO LAST

WIRELESS CHARGING



android enterprise recommended

13

SLIM AND ROBUST

The Memor 12-17 is **our thinnest ever device**, ergonomically designed to be comfortable in the hands of front-line workers for full-time daily use, thanks to its firm grip and light weight. Built for durability, it withstands everyday wear, meeting MIL-STD 810H standards for drop and tumbles. Additionally, a **Corning™ Gorilla™ Glass 7** display provides enhanced protection against scratches and drops

FAST AND EASY SCANNING FOR EVERY TYPE OF ENVIRONMENT

Featuring the latest Datalogic Halogen 2121DL scan engine with our Green Spot and advanced DeepSight™ decoding technology, the Memor 12-17 simplifies scanning barcodes at high speeds and variable lighting conditions, even when they are damaged or dirty. With **GS1 Digital Link–readiness**, it is also the perfectly equipped solution for the latest retail revolution in barcode innovation.

PRODUCTIVITY AND CONNECTIVITY REDEFINED

The Memor 12-17 has been designed to support workers throughout their busy day, enabling seamless multitasking on a device they need to continuously rely on. Our unique **Swap memory** implementation enables customers to run multiple applications faster thanks to additional **virtual RAM**. Powered by the latest Qualcomm QC4490 platform, users can enjoy the best connectivity indoors and outdoors with **WiFi6E and 5G**, as well as the fastest GPS locking system.

CHARGING AND PAYING HAS NEVER BEEN SO EASY

Customize your charging experience to suit your working day – with Memor 12-17. Customers can choose how they charge their devices, from a fast **USB-C cable** for quick top-ups to a stable **wired charging** cradles for enterprise grade charging and data communication, or the convenience of **Wireless charging** cradles for contactless, carefree and frictionless operations. If your business requires an easy payment acceptance solution then Memor 12-17 is the perfect choice thanks to **Multi-Side NFC reading technology**.

MAXIMIZE YOUR INVESTMENT WITH MEMOR 12-17

With support up to Android 18, customer will enjoy an industry-leading **4+4 years** of comprehensive hardware and software support, with continuous updates and access to cutting-edge tools from our **Datalogic Mobility Suite**. Additionally, the Memor 12-17 demonstrates a commitment to sustainability through eco-friendly accessories and packaging.

Memor 12



Wi-Fi ONLY MODEL

Memor 12™
Wi-fi 6/6E
Standard Range

1 m

Memor 17



Wi-Fi / CELLULAR MODEL

Memor 17™
Wi-fi 6/6E
Cellular 5G
Standard Range

1 m

FEATURES

- **Fast and easy scanning for every type of environment:** Datalogic Halogen™ DE2121-DL scan engine + Green Spot
- **Superior connectivity and processing power:** Wi-Fi 6/6E, Bluetooth 5.3, 5G + Qualcomm 4490 platform
- **Rugged and high-quality display:** 6'' inch capacitive multi-touch, FHD+ display, GG7
- **Integrated wireless charging system:** dedicated wireless charging docks to facilitate daily device charging
- **Highest longevity in the entry-level tier:** Android™ 13 with GMS (platform upgradeable to Android 18)
- **High reliability and water protection:** IP 65 & 67 certified, multiple 1.5/6ft drops to concrete over operating temperature with rubber boot, 1m/3.2 ft tumbles at room temperature with rubber boot.

INDUSTRY - APPLICATIONS

- **Retail:** In-store operations, POS&Queue-Busting, Price checks, Assisted sales, Product Information, Gift registry, Loyalty Lookup, Shelf replenishment.
- **T&L:** Access Control Ticketing, Last mile delivery, Proof of delivery, Baggage reconciliation, Postal services
- **Healthcare:** Patient admittance, patient bed care, electronic Medical Records, Laboratory management

MEMOR 12-17 FAMILY

TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATIONS

Local Area Network (WLAN)	Wi-Fi 6e IEEE 802.11 a/b/g/n/ac/ax and 802.11 d/e/h/i/k/r/v/w/mc; Frequency range: Country dependent, typically 2.4 GHz,5 GHz and 6 GHz bands; 2x2 MIMO; WPA3 Enterprise 192-bit mode supported
Personal Area Network (WPAN)	Bluetooth wireless technology v5.3 (Classic Bluetooth wireless technology and BLE)
NFC Communication	Support for the following standards: Tag types 1/2/3/4/5 (ISO14443-4 A/B; ISO15693; Mifare; Felica) Card emulator. Contactless payments and Apple ECP protocol supported.
WWAN / Cellular	Memor 17 LTE-Advanced / 4G+; NR 5G FR1; 3GPP Rel.16; • EMEA and ROW Configuration: GSM: Quad band; WCDMA: B1/2/4/5/8; FDD_LTE: B1/2/3/4/5/7/8/17/19/20/25/28/66; B34/38/39/40/41/42/43; 5G: n1/2/3/5/7/8/20/25/28/38/40/41/66/77/78/79; • North America Configuration (AT&T and Verizon certified): GSM: 850/1900; WCDMA: B2/4/5; FDD_LTE: B2/4/5/7/12/13/17/19/25/26/29/30/66; TDD_LTE: B38/41/48; 5G: N2/5/7/12/13/25/26/29/30/38/41/66/71/77; • VoLTE, VoNR and Wi-Fi calling enabled
Global Positioning System (GPS)	Integrated Assisted-GPS (A-GPS) Supported Types: GPS Dual Band, Galileo Dual Band, BeiDou Dual Band

ELECTRICAL

Battery	1-piece swappable battery pack with rechargeable Li-Ion batteries; 3.87V; 4,000 mAh typical (14.98 Watt-hours)
Wireless Charging	WPC Qi EPP compliant; 7W charging

ENVIRONMENTAL

Drop Resistance	Multiple 1.3/4ft drops to concrete across operative temperature without rubber boot per enterprise standard according to MIL STD 810H. Multiple 1.5m/6ft drops to concrete over operating temp (-20°C to 50°C/-4°F to 122°F) with rubber boot according to MIL STD 810 H.
Tumbles	500 0,5m/1.6 ft tumbles at room temperature without protective boot, meets and exceed IEC 60068-2-32 Procedure 2 specification. 500 1m/3.2 ft tumbles at room temperature with rubber boot, meets and exceed IEC 60068-2-32 Procedure 2 specification.
Sealing	IP65 and IP67
Chemical Resistance	General purpose chemical cleansers: "Water solution of Sodium Hypochlorite" "Windex Multisurface / Glassex with ammonia" "Formula 409, Glass and Surface cleaner / Glassex with ammonia" "Ethyl alcohol" "Isopropyl alcohol" "Hydrogen peroxide"
Temperature	Operating: -10 to 50 °C / 14 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F
ESD	15kV air discharge / 8kV contact discharge

PHYSICAL CHARACTERISTICS

Dimensions	165 x 76.7 x 13.5 mm / 6.49 x 3.0 x 0.53 in
Primary Display	6.0 inch LTPS in 18:9 format - FHD+ resolution 1080x2160; LED backlight; 450 NITS
Keys	Physical Keys: 2 side scan keys; PTT; Power On/Off; Volume Up/ Down; 3 Android soft keys
Touch Panel	Touch Screen: 5 points multi-touch capacitive panel with hardened Gorilla Glass 7 and optical bonding; Support for gloves and stylus; water drops rejection and anti-fingerprint surface finishing
Weight	With Battery: 245 g/8.6 oz

READING PERFORMANCE

Camera	**Rear Camera:** Resolution: 13 megapixel; Auto focus **Illumination:** User controllable LED flash (torch mode); **Front Camera:** Resolution: 8 megapixel; Fixed focus
Scan Engine	**Halogen™ DE2121-DL 1D/2D** scan engine; Datalogic's 'Green Spot' for good-read feedback;

SENSORS

Vibration	Software programmable for duration and intensity
Accelerometer	3-Axis accelerometer to detect orientation
Gyroscope	Senses angular velocity
Ambient Light	Auto adjusts display backlight
Proximity	Auto deactivates display when close to face
Magnetometer	e-compass for direction and orientation detection
Barometer	Atmospheric pressure / Z-location (Memor 17 only)

INTERFACES

Interfaces	High Speed USB 3.2 gen1 Host and Client (Type-C); Super Speed USB 2.0 (Type-C, Bottom I/O)

AUDIO

Microphones	2 mics, with noise cancellation
Loudspeaker	Speaker for handsfree calls and audio application
Receiver	Speaker for voice calls

SAFETY & REGULATORY

Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use.
Environmental Compliance	Complies to EU RoHS

SOFTWARE

DATALOGIC MOBILITY SUITE - Discover more on: datalogic.github.io

Protection	Shield - Android Security Updates; Launcher - to lockdown device to kiosk mode; Entreprise Browser - to web-browse only to a set of approved URLs; Integrity KIT - to safeguard HW interfaces
Configuration	Scan2Deploy Studio - to configure and stage device, OEMConfig - for UEM/EMM Compatibility, AE QR Code Enrollment - for easy EMM/UEM enrollment
Development	SDKs (Java, Kotlin, Xamarin, .NET MAUI JavaScript), Visual Formatter - a no-code platform for barcode formatting, Wedge - a configurable barcode scanning input method
Optimization	SoftSpot - a draggable touch scanner trigger; Logger - to collect advanced device events log; Wi-Fi Guard - to collect Wi-Fi data and statistics; Battery Manager to select from different charging policies; QuickBoard - A customizable enterprise virtual keyboard to enhance productivity and adapt to specific application contexts; Snap OCR - Rear or scanner camera digitizes text, streamlining data entry and label parsing
Additional Features	
Provisioning	Android Zero-Touch, Android Enterprise QR Code, NFC Bump, EMM Token, DPC Identifier enrollment
UEM/EMM	SOTI MobiControl, VMWare Workspace One, Microsoft intune, 42Gears Sure MDM, Ivanti Neurons, Ivanti Avalanche, and any OEM Config compliant UEM/EMM
Terminal Emulator and PTT Compatibility Highlight	Ivanti Velocity, StayLinked Smart TE, Zello PTT

SYSTEM

SIM Slots	1 Nano SIM; 1 eSIM
Expansion Slots	1 Micro SD card (up to 2TB)
Memory	RAM Model 6GB: 6 GB on-chip RAM, plus an optional 2 GB SWAP Memory (using flash storage as extra RAM, activated through a setting). UFS Flash Storage: 64 GB (both models)
Microprocessor	Qualcomm QCx4490 Octa-core 2.4 GHz
Operating System	Android 13, upgradeable to Android 18
Real-Time Clock	Time and date stamping under software control

WARRANTY

Warranty	1-Year Factory Warranty

ACCESSORIES

Base Stations/Chargers



• Charging Dock (wired or wireless available)



• 4-Slot Charging Dock (wired or wireless available)



• Multi Battery Charger

Miscellaneous



• Vehicle Charger



• Belt Holster



• Hand Strap



• Trigger Handle



• Wearable Holder

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