








Compact efficiency for demanding tasks

-  **Fast barcode capture with Green Spot and DeepSight decoding technology**
The innovative Halogen™ DE2121-DL scan engine enables fast and reliable scanning even of damaged or dirty barcodes. Thanks to GS1 Digital Link compatibility, the device also supports the latest barcode standards.
-  **State-of-the-art connectivity with Wi-Fi 6/6E, Bluetooth 5.3 and 5G**
Equipped with the Qualcomm QC4490 octa-core processor and up to 6 GB RAM, the Memor 12/17 series enables fast multitasking and optimum data processing.
-  **Rugged design with Corning Gorilla Glass 7, IP65/IP67 protection and MIL-STD-810H**
The slim design and low weight of 245 g ensure comfortable use throughout the working day.
-  **Flexible charging: wireless, USB-C and charging stations**
With a replaceable 4000 mAh battery, the devices enable long operating times.
-  **Future-proof software and 4+4 years of support**
With Android 13 and the option to upgrade to Android 18, the Memor series guarantees long-term use and a high level of security.

Features

Readable codes: 1D, 2D, GS1 Data Link

Display: 6.0-inch FHD+ (1080 x 2160), Gorilla Glass 7, multi-touch capable, 450 nits brightness

Operating system: Android 13 GMS (can be upgraded to Android 18)

Processor: Qualcomm Qc4490 Octa-Core 2.4 GHz

Memory: 6 GB RAM, 64/128 GB flash memory, expandable 2 TB via microSD

Feedback: Datalogic Green Spot for visual confirmation, vibration, sound

Buttons: 2 side scan buttons, PTT button, on/off, volume, 3 Android soft buttons

Communication: Wi-Fi 6E, Bluetooth 5.3, 5G, NFC, USB-C

Additional features: 13 MP rear camera with autofocus and LED flash, 8 MP front camera, GPS, various sensors

Battery: 4000 mAh, wireless charging (Qi compatible), optional with Safe Swap

Protection: IP65/IP67, drop protection up to 1.5 m with protective cover

Operating temperature: -10°C to 50°C

Dimensions (W x L x H): 165 x 76.7 x 13.5 mm

Weight: 245 g (with battery)

Optional accessories

Single and 4-way docking stations
(optional with wireless charging)

Multiple battery charging stations

Vehicle mount with charging option

Wearable Holder

Holster

Hand strap

Trigger Handle

Protective cover

Additional batteries

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/l/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 (ISO 14443-4 A/B; ISO 15693; 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 LTIPS 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)
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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; Enterprise 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 QX4490 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