MEMOR™ 12-17 FAMILY

Enterprise power, smart convenience

◆DATALOGIC

- 1 m SCAN RANGE
- GREEN SPOT
- Wi Fi 6E CERTIFIED
- 5G))
- Bluetooth 5.3
- Q QCOMM4490
- 360° NFC
- FRONT CAMERA & PUSH TO TALK
- E OC EASE OF CARE
- DATALOGIC SHIELD
- Powered by DATALOGIC MOBILITY SUITE
- +8 h
- IP65 DUST & WATER PROTECTION
- BUILT TO LAST
- WIRELESS CHARGING

SUPERIOR SCANNING PERFORMANCES

Increase your efficiency with the higher snappiness and Deep of Field of the new **Datalogic Halogen™ DE2121-DL scan engine**, while ensuring instant feedback directly on the label with our **Green Spot Technology**.

HIGHEST LONGEVITY IN THE ENTRY LEVEL TIER

4+4 years of Hardware and Software support with Zero Latency monthly security updates

RUNNING APPLICATIONS FASTER

Equipped with the powerful **Qualcomm QC4490 2.4GHz**, Memor 12-17 allows to run all your applications seamlessly for a top-notch user experience.

STAY CONNECTED AND RUNNING APPLICATIONS FASTER

Experience the best indoor connectivity with **Wi-Fi 6/6E**, while ensuring productivity never misses a beat when you're on the go, thanks to the latest **5G capabilities**.

ENABLE QUICK AND EFFORTLESS PAYMENTS

The Memor 12-17 offers secure, instant transactions with its **Multi-Side NFC technology**, enabling fast, easy tap-and-pay functionality from different angles.

EMPOWERING YOUR BUSINESS WITH SUSTAINABLE SOLUTIONS

Minimize waste, maximize impact: from accessories to packaging, our solution wants to follow an eco-friendly approach to showcase a positive environmental impact to all our customers

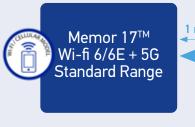### CHARGING HAS NEVER BEEN EASIER AND FASTER

Facilitate your daily charging operations and reduce maintenance costs by choosing the only provider of a fully integrated **wireless charging** solution, offering both wireless battery and charging docks.

android enterprise recommended | 🤖 13

Memor 12	Memor 17
Memor 12™ Wi-fi 6/6E Standard Range — 1 m	Memor 17™ Wi-fi 6/6E + 5G Standard Range — 1 m
WI-FI ONLY MODEL	WI-FI/CELLULAR MODEL

FEATURES

- **Best scan performance in the entry level-tier:** Datalogic Halogen™ DE2121-DL scan engine + Green Spot
- **Superior connectivity and processing power:** Wi-Fi 6/6E, Bluetooth 5.3, 5G + Qualcomm 9940 platform
- **Rugged and high-quality display:** 6'' inch capacitive multi-touch FHD+ display, GFF7
- **Integrated contactless wireless charging system:** both wireless battery and dedicated charging docks which facilitate device charging
- **Highest longevity in the entry-level tier:** Android™ 13 with GMS (platform upgradeable to Android 18)
- **High reliability and water protection:** IP65/67 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, Surgery tools verification, eletronic 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/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: n1/2/3/5/7/8/20/25/28/38/40/41/66/71/77/78; • 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: N2/5/7/12/13/14/25/26/29/30/38/41/48/66/77/79; • 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; 3.86V; 4,000 mAh typical (18.0 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 ºC / 14 to 122 ºF Storage/Transport: -40 to 70 ºC / -40 to 158 ºF
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: 242 g/8.5 oz

READING PERFORMANCE

Camera	**Rear Camera:** Resolution: 13 megapixel – 1,2 µm; 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

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 designed 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: Up to 11 GB Total Memory – 6 GB on-chip RAM with ZRAM compression (3 GB uncompressed and 3 GB compressed at a 2:1 ratio, providing 9 GB total), plus an optional 2 GB SWAP Memory (using flash storage as extra RAM, activated through a setting). UFS Flash Storage: 128 GB (both models)
Microprocessor	Qualcomm QCx4490 Octa-core 2.4 GHz
Operating System	/AOSP
Real-Time Clock	Time and date stamping under software control

WARRANTY

Warranty	1-Year Factory Warranty

ACCESSORIES

Belt/Hostler **Handstrap** **Handle trigger** **Wearable Holder** **Protective boot** **Chargers**