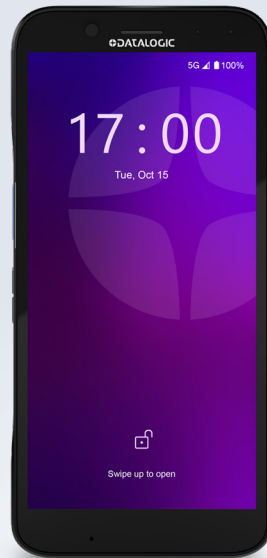


# MEMOR™ 12-17 FAMILY



## Enterprise-Grade Power in a Pocket-Sized Design



### 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 **Wi-Fi 6E** 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



Memor 12™  
Wi-fi 6/6E  
Standard Range



#### Memor 17



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



## 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)<br>Card emulator. Contactless payments and Apple ECP protocol supported.                                                                                                                                                                                                                                                                                                                         |
| WWAN / Cellular                 | Memor 17<br>LTE-Advanced / 4G+; NR 5G FR1; 3GPP Rel.16;<br>• 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;<br>• 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;<br>• VoLTE, VoNR and Wi-Fi calling enabled |
| Global Positioning System (GPS) | Integrated Assisted-GPS (A-GPS)<br>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.<br>Multiple 1.5m/6ft drops to concrete over operating temp (-10°C to 50°C/14°F to 122°F) with rubber boot according to MIL STD 810H. |
| Tumbles             | 500 0,5m/1.6 ft tumbles at room temperature without protective boot, meets and exceed IEC 60068-2-32 Procedure 2 specification.<br>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:<br>"Water solution of Sodium Hypochlorite"<br>"Windex Multisurface / Glassex with ammonia"<br>"Formula 409, Glass and Surface cleaner / Glassex with ammonia"<br>"Ethyl alcohol" "Isopropyl alcohol" "Hydrogen peroxide"                |
| Temperature         | Operating: -10 to 50 °C / 14 to 122 °F<br>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<br>Illumination: User controllable LED flash (torch mode);<br>Front Camera: Resolution: 8 megapixel; Fixed focus                                                                                                                                                                                                                                                                    |
| Scan Engine                                                                                                | Halogen™ DE2121-DL 1D/2D scan engine;<br>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: <a href="https://datalogic.github.io">datalogic.github.io</a> |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Protection                                                                                                 | Shield - Android Security Updates;<br>Launcher - to lockdown device to kiosk mode;<br>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).<br>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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