

MEMOR™ 12-17 HEALTHCARE



Enterprise-grade power in a pocket-sized design



MULTI-SIDE



WiFi 6E CERTIFIED



Bluetooth 5.3



COMFORT AND EFFICIENCY

Designed to be comfortable in the hands of front-line healthcare workers, while the Corning™ Gorilla™ Glass 7 display protects against scratches and drops

FAST AND EASY SCANNING

Featuring the latest Datalogic Halogen 2121DL scan engine with our Green Spot and advanced DeepSight™ decoding technology, the Memor 12-17 HC simplifies scanning barcodes at high speeds and variable lighting conditions, even when they are damaged or dirty.

DESIGNED FOR CONTINUOUS DISINFECTION

Disinfectant-ready against a broad list of chemicals and disinfectants, this device and its accessories are designed to prevent germs and bacteria from accumulating on their surfaces.

UNINTERRUPTED COVERAGE

Powered by the latest Qualcomm QC4490 platform, workers can enjoy the best connectivity inside and outside hospitals with WiFi6E and 5G.

EMERGENCY OR ALARM CALLS

Easily launch emergency or alarm calls both inside and outside medical facilities using our programmable buttons and custom gestures allowing you to set specific actions for your device when needed.

MAXIMIZE YOUR INVESTMENT WITH MEMOR 12-17 HC

With support up to Android 19, 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, Memor 12-17 HC demonstrates a commitment to sustainability through eco-friendly accessories and packaging.

Memor 12 HC



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



Memor 17 HC



Memor 17 HC™
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
- **Native integrated wireless charging system:** wireless charging battery together with dedicated wireless charging docks facilitate daily cleaning operations and asset maintenance, reducing TCO
- **Ultra-reliable swappable long lasting battery with SafeSwap™ capability and Smart Battery Management**
- **Superior connectivity and processing power:** Wi-Fi 6/6E, 5G, Bluetooth 5.3, Qualcomm 4490 platform
- **Rugged and high-quality display:** 6" inch capacitive multi-touch, FHD+ display, GG7
- **Highest longevity in the entry-level tier:** Android™ 13/15 with GMS (platform upgradeable to Android 19)
- **High reliability and water protection:** IP65 and IP68 with battery, per IEC60529 specification, 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

- **Healthcare:** Patient admittance, patient bed care, electronic Medical Records, Laboratory management
- **Retail non-food:** Pharmacy and Fashion in-store operations, POS&Queue-Busting, Price checks, Assisted sales, Product Information, Gift registry, Loyalty Lookup, Shelf replenishment.



MEMOR 12-17 HEALTHCARE

TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATIONS

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| 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

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|--------------------------|---|
| Battery | 1-piece swappable battery pack with rechargeable Li-Ion batteries; 3.87V; 4,000 mAh typical (14.98 Watt-hours) Safe Swap [®] for application data protection available on M17HC 6/128GB version only |
| Wireless Charging | WPC Qi EPP compliant; 7W charging |

ENVIRONMENTAL

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| 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 (-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. 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 IP68 with battery, per IEC60529 specification |
| Chemical Resistance <i>(applies to device, rubber boot and chargers)</i> | Sani-Cloth [®] HB, Sani-Cloth [®] Plus, Super Sani-Cloth [®] , Hepacide Quat II, Isopropyl alcohol 70% (IPA) / Alcohol Wipes 70%, CaviWipes [™] , Virex [®] 256, Glassex with ammonia / Formula 409 [®] Glass and Surface Cleaner, Glassex with ammonia / Windex [®] , Water solution of Sodium Hypochlorite 0,8% / Clorox [®] Bleach, 100% Gentle dish soap and water |
| 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

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| 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

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| 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

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|----------------------|---|
| 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

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| 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

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

SAFETY & REGULATORY

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|---------------------------------|---|
| 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

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| 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

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|-------------------------|---|
| 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: 64GB or 128GB |
| Microprocessor | Qualcomm QCC4490 Octa-core 2.4 GHz |
| Operating System | Android 13/15, upgradeable to Android 19 |
| Real-Time Clock | Time and date stamping under software control |

WARRANTY

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| Warranty | 1-Year Factory Warranty |
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ACCESSORIES

For full accessory range please refer to M12-17 accessory guide*

Base Stations/Chargers



• 94A150126 Charging Dock wireless HC



• 94A150127 4-Slot Charging Dock wireless HC

Miscellaneous



• 94ACC0409 Hand Strap HC



• 94ACC0405 Rubber Boot HC



• 94ACC0411 Pocket clip w/ emergency button