

MEMOR™ 30-35 FAMILY

Elevating performance, redefining value



MEMOR 30/35 FAMILY



SUPERIOR FLEXIBLE DATA CAPTURE PERFORMANCE

Embedding new Datalogic Halogen™ DE2121-DL and DE2121-ER scan engines, the Memor 30-35 family delivers impressive versatility for any application in an extended range of working distances from 5 cm / 1.97 in up to 10 m / 32.8 ft.

State-of-the-art DeepSight™ integrated technology provides superior sensitivity and high visible illumination system, guaranteeing first-class reading performance even in extreme light and dark environments. Its outstanding motion tolerance allows to decode poorly printed barcodes as well as barcodes on mobile device screens.

Datalogic's Green Spot technology enhances productivity providing good-read feedback directly on the label. A powerful 13 MP rear camera helps to capture damaged goods and barcodes.

Memor 30-35 leverages more than half a century of decoding library know-how to deliver superior decoding performance on any application.

STREAMLINED COMPUTING AND CONNECTIVITY

Based on the latest generation enterprise grade Octa-Core Qualcomm chipset, Memor 30-35 delivers unmatched processing power and industry-leading performance with future-proof connectivity technologies: Wi-Fi 6/6E, Bluetooth® 5.3; and on Memor 35 models: embeds 5G 2nd gen that allows 5G private networks and CBRS for US market.

EASE OF USE AND VERSATILITY

With a full HD+ 6" bright touch screen display, users can operate in any kind of lighting and weather conditions using fingers, gloves, and a stylus. Multi-side NFC reading capability eases quick acceptance of contactless payments. Smart long-lasting battery, integrated Qi compatible wireless charging and SafeSwap™ technology optimize battery lifetime, controlling battery health and ensuring uninterrupted operations even for challenging use cases.

The 8 MP front camera and PTT key provide hi-definition video calls and instant communication. SoftSpot™ enhances the user experience providing a configurable scan trigger on the display for smoother operations.

Memor 30-35 enhances the customer investment by easily switching a mobile device to a desktop workstation thanks to the docking station/charger accessory.

PROVEN RELIABILITY

An enterprise grade rugged industrial design with MIL-STD-810H, IP65/IP68 protection and a Gorilla® Glass touch panel provide reliable proven performances against dust (no ingress), water (resists under 1 m / 3.2 ft for more than 30 mins), and repeated drops/tumbles onto concrete.

FUTURE PROOF: LOWER TCO AND SUSTAINABILITY

Powered by Datalogic Mobility Suite that offers a set of comprehensive software tools for effective deployment, enhanced lock-down security measures, and full Android™ Enterprise integration, Memor 30-35 elevates asset performance and ensures sensitive data protection.

A future proof device with longevity up to Android 18 ensures a lower total cost of ownership for the company.

EASEOFCARE services guarantee worldwide post sales assistance on hardware and software and include the Datalogic Shield™ security monthly updates.

FEATURES

- Industry leading scan performance: reading up to 10 m / 32.8 ft with Green Spot
- Superior connectivity and processing power: Wi-Fi 6 / 6E + Bluetooth 5.3 + 5G, Qualcomm Octa-Core platform, 6 or 8 / 128 GB + 2 TB micro SD memory
- 6 inches capacitive multi-touch FHD+ display, 500 NITS
- Integrated contactless wireless charging system (device and charging docks) reduces maintenance costs and facilitates device charging
- Ultra-reliable swappable long lasting battery with SafeSwap™ capability and Smart Battery Management
- IP65/68 certified, passed 3,000 tumbles at 0.5 m and multiple 2.4 m / 8 ft drops with rubber boot across operating temperatures
- Android™ 13 and 15 both supported with GMS (platform upgradeable to Android 18)
- Sustainability: plastic-free recycled paper and carton box packaging

INDUSTRY - APPLICATIONS

- **Retail:** Assisted sales, Inventory Management, Markdowns / Markups, Shelf Replenishment, Access control / Ticketing, Hospitality: Order taking
- **Warehouse & Manufacturing:** Inbound / Outbound Logistics, Sort, Pick, and Pack, Shipping / Receiving, Production & Quality Control, Inventory Management, Track & Trace, Intralogistics
- **Transportation and Logistics:** Field Service / Maintenance, Deliveries / DSD, Route accounting / Order processing, Proof of Delivery / Damage, Workforce management

MEMOR 30-35 FAMILY

TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATIONS

Local Area Network (WLAN)	Wi-Fi 6/6E 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; 2 x 2 MU-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 35/35X only)	5G NR FR1; LTE-Advanced / 4G+; 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; TDD_LTE: B38/40/41/42/43; 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: B2/4/5/7/12/13/14/17/19/25/26/29/30/66; TDD_LTE: B38/41/48; 5G: n2/5/7/12/13/14/25/26/29/30/38/41/48/66/77/78; • VoLTE, VoNR and Wi-Fi calling enabled; CBRS (4G and 5G)
Global Positioning System (GPS)	Integrated Assisted-GPS (A-GPS) on Memor 35/35X only; Supported Types: GPS, Galileo, GLONASS, BeiDou

ELECTRICAL

Battery	1-piece swappable battery pack with rechargeable Li-Ion batteries; 3.86 V; 4,680 mAh typical (18.0 Watt-hours); 'Safe Swap' for application data protection
Wireless Charging	WPC Qi EPP compatible; 7 W charging

ENVIRONMENTAL

Drop Resistance	Multiple 2.4m/7.8ft drops to concrete at ambient temperature with rubber boot per MIL STD 810H; Multiple 1.8m/6ft drops to concrete over operating temp (-20°C to 50°C/-4°F to 122°F) with rubber boot per MIL STD 810H; Multiple 1.5m/4.9ft m drops to concrete at ambient temperature per MIL STD 810H; Multiple 1.2/4ft m drops to concrete over operating temp (-20°C to 50°C/-4°F to 122°F) per MIL STD 810H;
Tumbles	3000 0.5 m / 1.6 ft tumbles with protective boot and 1500 1 m / 3.2 ft tumbles with protective boot at room temperature meets and exceeds 60068-2-32 Procedure 2 specification; 600 0.5 m / 1.6 ft tumbles at room temperature without protective boot, meets and exceeds IEC 60068-2-32 Procedure 2 specification.
Particulate and Water Sealing	IP65 and IP68 with battery, per IEC60529 specification
Chemical Resistance	General purpose chemical cleansers: Water solution of Sodium Hypochlorite 0.8%; Windex Multi-surface / Glassex with ammonia; Formula 409, Glass and Surface cleaner / Glassex with ammonia; Ethyl alcohol 70%; Isopropyl alcohol 70%; Hydrogen peroxide 3%
Temperature	Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -30 to 70 °C / -22 to 158 °F
ESD	15 kV air discharge / 8 kV contact discharge

PHYSICAL CHARACTERISTICS

Dimensions	167.6 x 78.6 x 17.7 mm / 6.61 x 3.09 x 0.70 in
Primary Display	6 in LTPS in 18:9 format – FHD+ resolution 2160 x 1080; LED backlight; 500 NITS typical
Keys	Physical Keys: 2 side scan keys; PTT key; Power On/Off; Volume Up/ Down; 3 Android soft keys
Touch Panel	Touch Screen: 5 points multi-touch capacitive panel with hardened Gorilla Glass 5 and optical bonding; Support for gloves and stylus; water drops rejection and anti-fingerprint surface finishing
Weight	With battery: 314 gm / 11 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; Halogen™ DE2121-ER Extended Range 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 35/35X only)

INTERFACES

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

Microphones	2 mics, with advanced AI 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

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 devices, 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 bar code scanning input method
Optimization	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 SureMDM, 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 (Memor 35/35X only)
Expansion Slots	1 Ultra High-Speed Micro SD card (up to 2 TB)
Memory	System RAM: 6 GB or 8GB on-chip, plus an optional 2 GB SWAP Memory (using Flash storage as extra RAM, activated through a setting); UFS Flash storage: 128 GB
Microprocessor	Qualcomm QX4490 Octa-core 2.4 GHz
Operating System	Android v13 & v15 GMS options (platform upgradeable to Android 18)

WARRANTY

Warranty	1-Year Factory Warranty
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For full accessory range please refer to M30-35 accessory guide*

ACCESSORIES

Base Stations/Chargers



- Charging Dock (wired or wireless available)
- 4-Slot Charging Dock (wired or wireless available)
- Multi Battery Charger

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

Miscellaneous

