

SM15

SPEED IS POWER, Your Mobile Business Partner

We understand your field workforce needs a stable and reliable mobile computer for enterprises that require anywhere, anytime, real-time connectivity to business-critical applications and data capture capabilities to maximize efficiency and serve customers more effectively.

The SM15 Series is the most Advanced enterprise-ready 4G/LTE mobile computer with highest **CPU(2.0GHz, 2.2GHz Octa Core)** in the world. Supporting Android operating systems, the SM15 Series mobile computer targets highly mobile frontline employees in scan-intensive workflows such as on-demand sales force automation, field service and customer engagement who require a truly mobile office with the modern conveniences of an all-touch smartphone and the highest degree of future-proofing to speed business agility and lower total cost of ownership. High end mobile applications can be guaranteed to work well on the SM15 series without barriers. The SM15 Series mobile computer is designed to support the most advanced connected mobile user experiences, facilitating large file transfers, video streaming and remote access to business applications quickly, so workers can more effectively manage a wide variety of tasks throughout the sales cycle.

Additionally, the SM15 Series mobile computer offers enough battery life to last a full shift and beyond, keeping mobile workers always connected to crucial information to place orders, check stock, look up order status or scan items as they are removed for delivery. The battery hot-swap function saves time and avoids rebooting when changing a battery in the field.

The SM15 Series mobile computer offers crystal 5.0 Inch Corning® Gorilla® III Glass sunlight-readable display with multiple input modes to save valuable time and minimize data entry errors. Glove and wet touch is a basic function for outdoor.

Extreme CPU Performance with Android™

An industry-leading Qualcomm® Snapdragon™ 625/626 processor with 2.0GHz / 2.2GHz Octa-core CPU enables more robust application performance at better speeds and power efficiencies with enough memory capacity. SM15X have 2.2GHz Octa-core CPU with 4GB/32GB memory and FHD display, SM15N and SM15W have 2.0GHz Octa-core CPU with 2GB/16GB memory.



The most advanced enterprise-ready mobile computer.

The SM15 Series mobile computer delivers real-time connectivity and best-in-class data capture capabilities.

SM15X

Processor: 2.2 GHz Qualcomm Snapdragon 626 Octa-core
(Cortex A-53) and 650MHz GPU

Operating System: Android 7.1(8.X is Scheduled)

Memory: 4GB RAM, 32GB Flash

Up to 128GB of extended Micro SD slot

Display: 5.0 inch in FHD(Full High Definition : 1920 x 1080)

Bright color LCD with backlight, outdoor viewable

Battery: SM15 Series have extended batteries(6,150mA) &
Hot swap function allowing the user can replace battery
in the field without system reboot.

SM15 series can do standby + 200 hours
with extended battery without recharging.

Touch Panel: Rugged multi-touch capacitive touch panel,
optically bonded for extra durability and better sunlight viewability.
Automatic detection and configuration utilizing mutual,
self-capacitance modes for water rejection,
use with many off-the-shelf gloves.

Keypad: Four Physical keypad,
dual-action side scan triggers,
Volume up/down, Camera, Power button

Audio: Speaker, TRRS earphone and microphone support,
PTT support and Bluetooth® wireless headset support.

Camera: 16.0-megapixel color rear camera with autofocus,
advanced software features for better image quality

for more information

www.m3mobile.net / www.m3mobile.co.kr

| | | | |
|------------------|---------------|--|---|
| Performance | CPU | | 2.2 GHz Octa-core processor (Qualcomm MSM8953 Cortex-A53) |
| | GPU | | Release : 2016/4Q |
| | OS | | FAB : 14 nm LPP |
| | RAM | | ISA : ARM v8 (64bit) |
| Option | ROM | | Adreno 506 , 650MHz |
| | WWAN | | Android 7.1 |
| | DATA | | 4G LPDDR3 933Mhz |
| | Frequency | | 32G eMMC |
| User Environment | WLAN | | GPRS : Class 12, (DL)85.6/(UL)85.6 kbps |
| | Scanner | | EDGE : Class 12, 236.8 / 236.8kbps |
| | Camera | | HSPA+ : (DL) 42 / (UL) 11.2 Mbps |
| | Pixels | | FDD-LTE : Cat4 150 / 50 Mbps |
| Physical | Flash | | GSM(850/900/1800MHz) : B3, B5, B8 |
| | Sensor | | WCDMA(850/900/2100MHz) : B1, B5, B8 |
| | Audio | | FDD-LTE(850/900/1800/2100/2600MHz) : B1, B3, B5, B7, B8 |
| | GPS | | IEEE 802.11 a/b/g/n/ac 2.4G&5GHz |
| Physical | Bluetooth | | 1D laser(SE 965) |
| | Frequency | | 2D Imager (SE 4710/N6600) |
| | RFID | | 16 M(Rear) / 5.0M(Front) |
| | Type | | 4K 30fps, 1080p 60fps, H.264/H.265 |
| Physical | Display | | MP4/ WMV9/ VC1/ DivX/ VP8/ VP9 |
| | Touch Panel | | LED Flash |
| | Keypad | | Gyro, Ambient light, Accelerometer, Magnetic |
| | Battery | | Earphone(3.5mm), Speaker(1W), Receiver, Mic |
| Physical | Interface | | A-GPS, GLONASS, Beidou |
| | Extended Slot | | Bluetooth Class II 4.1 LE |
| | SIM/SAM | | NFC(13.56MHz) |
| | Temperature | | Peer-to-peer, card reader, card emulation |
| Physical | Humidity | | ISO 14443 A/B, ISO 15693 |
| | Drop | | 5.0" FHD IPS (1920 x 1080) |
| | Tumble | | Capacitive touch, Glove/Wet/Pen |
| | Vibration | | Volume +/- key, Camera key, Power Key, Scanner 2key, 4 Bottom Key |
| Physical | Thermal Shock | | Li-ion 3.8V 4,100mA (Fast Charging) |
| | Sealing | | Li-ion 3.8V 6,150mA (Fast Charging) |
| | ESD Test | | Micro USB via Snap on |
| | Dimension | | Micro SD(up to 128GB) |
| Physical | Weight | | (SDXC/SDHC/SDIO) |
| | | | Dual SIM(1SIM, 1SAM) |

| | | SM15N | SM15W | |
|------------------|---------------|---|---|--|
| Performance | CPU | 2.0 GHz Octa-core processor (Qualcomm MSM8953 Cortex-A53) Release : 2016/4Q FAB : 14 nm LPP ISA :ARM v8 | 2.0 GHz Octa-core processor (Qualcomm MSM8953 Cortex-A53) Release : 2016/4Q FAB : 14 nm LPP ISA :ARM v8 | Android is a trademark or registered trademark of Google Inc. in the United States and/ or other countries. Qualcomm & Snapdragon are trademarks or registered trademarks of Qualcomm Incorporated in the United States and/ or other countries. Gorilla Glass and Corning are registered trademarks or trademarks of Corning, Inc. in the United States and/or other countries. Bluetooth is a trademark or registered trademark of Bluetooth SG, Inc. in the United States and/ or other countries. |
| | GPU | Adreno 506 , 650MHz | Adreno 506 , 650MHz | |
| | OS | Android 7.1 | Android 7.1 | |
| | RAM | 2GB LPDDR3 933Mhz | 2GB LPDDR3 933Mhz | |
| | ROM | 16GB eMMC | 16GB eMMC | |
| | DATA | GPBS : Class 12, (DL)85.6/(UL)85.6 kbps EDGE : Class 12, 236.8 / 236.8kbps HSPA+ : (DL) 42 / (UL) 11.2 Mbps FDD-LTE : Cat4 150 / 50 Mbps | N/A | |
| Option | WWAN | GSM(850/900/1800MHz) : B3, B5, B8 WCDMA(850/900/2100MHz) : B1, B5, B8 FDD-LTE(850/900/1800/2100/2600MHz) : B1, B3, B5, B7, B8 | N/A | |
| | Frequency | | N/A | |
| | WLAN | IEEE 802.11 a/b/g/n/ac 2.4G&5GHz | IEEE 802.11 a/b/g/n/ac 2.4G&5GHz | |
| | Scanner | 1D | 1D laser (N4313) | |
| | | 2D | 2D Imager (SE 4710/N6600) | |
| | Camera | Pixels | 13M (Rear) 4K 30fps, 1080p 60fps, H.264/H.265 MP4/ WMV9/ VC1/ DivX/ VP8/ VP9 | |
| | | Flash | LED Flash | |
| | Sensor | Gyro, Ambient light, Accelerometer, Magnetic | Gyro, Ambient light, Accelerometer, Magnetic | |
| | Audio | Earphone(3.5mm), Speaker(1W), Receiver, Mic | Earphone , Speaker(1W) | |
| | GPS | A-GPS, GLONASS, Beidou | N/A | |
| | Bluetooth | Bluetooth Class II 4.1 LE | Bluetooth C II 4.1 LE | |
| | | Frequency | NFC(13.56MHz) | |
| | RFID | Type | Peer-to-peer, card reader, card emulation ISO 14443 A/B, ISO 15693 | |
| | | | | |
| | Display | Size | 5.0" HD IPS (1280 x 720) | |
| | | Touch Panel | Capacitive touch, Glove/Wet/Pen | |
| | Keypad | | Volume +/- key, Camera key, Power Key, Scanner 2key, 4 Bottom Key | |
| | | | | |
| | Battery | Standard | Li-ion 3.8V 4,100mA (Fast Charging) | |
| | | Extended | Li-ion 3.8V 6,150mA (Fast Charging) | |
| User Environment | Interface | USB | Micro USB via Snap on | |
| | | Expanded Slot | Micro SD(up to 128GB) (SDXC/SDHC/SDIO) | |
| | SIM/SAM | | Dual SIM(1SIM, 1SAM) | |
| | Temperature | Operating | -20℃ to 60℃ (-4°F to 140°F) | |
| | | Storage | -30℃ to 80℃ (-30°F to 176°F) | |
| | Humidity | | 0% to 95% non-condensing | |
| | | Drop | 1.2M / 1.8M_(with Boots) | |
| | Tumble | | 0.5M/1000Cycle, 1M/500Cycle_(with Boots) | |
| | | Vibration | 4Gs Peak Sine(5Hz to 2KHz); 0.04g^2/Hz Random(20Hz to 2kHz); 1 hour duration per axis, 3axis | |
| | Thermal Shock | | -40℃ to 85℃ (-40°F to 185°F) rapid transition | |
| | | Sealing | IP65 | |
| | ESD Test | | ±15 kV air Discharge and ±8 kV Direct Discharge | |
| | | | | |
| Physical | Dimension | 154.8 L x 76.4 W x 21.6 mm H | 154.8L x 76.4W x 21.6 H | |
| | Weight | 280g | 280g | |

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Various available accessories of SM10_LTE & SM15 Series

| Name | SKU | Picture | Description |
|--------------------------------|------------------|---|---|
| Battery Door Extended | SM10-BTDO-E00 |  | Battery Door for SM10 when using Extended Battery (SM10-BATT-X61; sold separately) |
| NFC Battery Door Extended | SM10-BTDO-EHF |  | NFC Battery Door for SM10 when using Extended Battery (SM10-BATT-X61; sold separately) |
| Battery Door Standard | SM10-BTDO-S00 |  | Battery Door for SM10 when using Standard Battery (SM10-BATT-T41; sold separately) |
| NFC Battery Door Standard | SM10-BTDO-SHF |  | NFC Battery Door for SM10 when using Standard Battery (SM10-BATT-T41; sold separately) |
| Spare Battery Extended Rev2 | Coming soon |  | SM15 Extended Capacity Spare Battery 6,150mAh (Extended Rev1) |
| Spare Battery Standard Rev2 | Coming soon |  | SM15 Standard Capacity Spare Battery 4,100mAh (Standard Rev1) |
| 2 slot charge-only cradle | SM10-2CRD-C01 |  | SM10 LTE 2 slot charge-only cradle for 1x SM10 LTE & 1x SM10 LTE spare battery. Requires power supply (UNIV-PWSP-200; sold separately) |
| 2 slot Ethernet cradle | SM10-2CRD-EC0 |  | SM10 2 slot Ethernet cradle for 1x SM10 & 1x SM10 spare battery. Requires power supply (UNIV-PWSP-2XX; sold separately) |
| 2 slot HDMI, Ethernet cradle | SM10-2CRD-ECO-HD |  | SM10/SM15 2 slot HDMI, Ethernet cradle for 1x SM10 & 1x SM10 spare battery. Requires power supply (UNIV-PWSP-2XX; sold separately) |
| 8 slot charge-only cradle | SM10-8CRD-C00 |  | SM10 8 slot charge-only cradle for 4x SM10 & 4x SM10 spare battery. Requires power supply (UNIV-PWSP-8XX; sold separately) |
| SM10 8 slot Ethernet cradle | SM10-8CRD-E00 |  | SM10 8 slot Ethernet cradle(operates as an access point) for 4x SM10 & 4x SM10 spare battery. Requires power supply (UNIV-PWSP-8XX; sold separately) |
| Vehicle Mount | UNIV-RAMS |  | Vehicle Mount for Vehicle Cradle by RAM®. Install in a vehicle by suction. |
| Vehicle Mount | UNIV-RAMT |  | Vehicle Mount for Vehicle Cradle by RAM®. Install in a vehicle by tighten screw. |
| charge only vehicle cradle | SM10-VCRD-C00 |  | SM10 charge only vehicle cradle by Brodit® within Cigarette Light Adaptor. Accomodates SM10 with protective boots. Requires vehicle mount(UNIV-RAMS or UNIV-RAMT;sold separately) |
| boots | SM10-BOOT-01 |  | boots for SM10 with handstrap. Attaches Stylus SM10-STYL; sold separately) |
| Screen Protector | SM10-SCPR |  | Screen Protector for SM10 |
| Spare Stylus | SM10-STYL |  | Spare Stylus with tether for SM10 |
| USB Cable | UNIV-CABL-UMA |  | USB Cable, 1.2M, A to Micro USB Plug. Client Communication Cable for SM10 USB port to the host system. |
| Power Supply 5VDC, 4A | UNIV-PWSP-2EU |  | Power Supply: 100~240VAC, 5VDC, 4A. Provides power to the 2 slot cradle and snap on with SM10, UL10, OX10, MT10, ST10, SK10(Snap on Only). Includes EU power cord. |
| Power Supply 12VDC, 7A | UNIV-PWSP-8EU |  | Power Supply: 100~240VAC, 12VDC, 7A. Provides power to the 8 slot cradle with SM10, UL10, OX10, MT10, ST10. Includes EU power cord. |
| Power Supply: 100~240VAC, 5VDC | SM10-PWSP-U00 |  | Power Supply: 100~240VAC, 5VDC, 2A. Provides power to SM10 directly via USB connector. Includes Six international plugs for UK, EU, AU, CN, KR, US |
| Scanning Trigger | SM10-TRIG-S00 |  | Scanning Trigger for SM10 LTE |
| UHF RFID Gun Reader | SM10-TRIG-UEB |  | UHF RFID & Scanning Trigger for SM10 CE |
| Charging SnapOn | Coming soon |  | This is for SM15 |
| UHF RFID SnapOn | Coming soon |  | This is for SM15 |
| PIN Pad | |  | This is for SM15 |
| Finger Print | |  | This is for SM15 |

Supported Barcode Symbologies of SM15 Series

| Parameter | Default |
|---|-------------------|
| UPC/EAN | |
| UPC-A | Enable |
| UPC-E | Enable |
| UPC-E1 | Disable |
| EAN-8/JAN 8 | Enable |
| EAN-13/JAN 13 | Enable |
| Bookland EAN | Disable |
| Decode UPC/EAN/JAN Supplementals (2 and 5 digits) | Ignore |
| User Programmable Supplementals Supplemental 1: Supplemental 1: | |
| UPC/EAN/JAN Supplemental Redundancy | 10 |
| Decode UPC/EAN/JAN Supplemental AIM ID | Combined |
| UPC Reduced Quiet Zone | Disable |
| Transmit UPC-A Check Digit | Enable |
| Transmit UPC-E Check Digit | Enable |
| Transmit UPC-E1 Check Digit | Enable |
| UPC-A Preamble | System Character |
| UPC-E Preamble | System Character |
| UPC-E1 Preamble | System Character |
| Convert UPC-E to A | Disable |
| Convert UPC-E1 to A | Disable |
| EAN-8/JAN-8 Extend | Disable |
| Bookland ISBN Format | ISBN-10 |
| UCC Coupon Extended Code | Disable |
| Coupon Report | New Coupon Symbol |
| ISSN EAN | Disable |
| Code 128 | |
| Code 128 | Enable |
| Set Length(s) for Code 128 | Any Length |
| GS1-128 (formerly UCC/EAN-128) | Enable |
| ISBT 128 | Enable |
| ISBT Concatenation | Disable |
| Check ISBT Table | Enable |
| ISBT Concatenation Redundancy | 10 |
| Code 128 Reduced Quiet Zone | Disable |
| Ignore Code 128 <FNC4> | Disable |
| Code 39 | |
| Code 39 | Enable |
| Trioptic Code 39 | Disable |
| Convert Code 39 to Code 32 (Italian Pharmacy Code) | Disable |
| Code 32 Prefix | Disable |
| Set Length(s) for Code 39 | 2 to 55 |
| Code 39 Check Digit Verification | Disable |
| Transmit Code 39 Check Digit | Disable |
| Code 39 Full ASCII Conversion | Disable |
| Code 39 Reduced Quiet Zone | Disable |
| Code 93 | |
| Code 93 | Disable |
| Set Length(s) for Code 93 | 4 to 55 |
| Code 11 | |
| Code 11 | Disable |
| Set Lengths for Code 11 | 4 to 55 |
| Code 11 Check Digit Verification | Disable |
| Transmit Code 11 Check Digit(s) | Disable |

| Parameter | Default |
|--|-------------------|
| Interleaved 2 of 5 (ITF) | |
| Interleaved 2 of 5 (ITF) | Enable |
| Set Lengths for I 2 of 5 | 14 |
| I 2 of 5 Check Digit Verification | Disable |
| Transmit I 2 of 5 Check Digit | Disable |
| Convert I 2 of 5 to EAN 13 | Disable |
| I 2 of 5 Security Level | Security Level 1 |
| I 2 of 5 Reduced Quiet Zone | Disable |
| Discrete 2 of 5 (DTF) | |
| Discrete 2 of 5 | Disable |
| Set Length(s) for D 2 of 5 | 12 |
| Codabar (NW - 7) | |
| Codabar | Disable |
| Set Lengths for Codabar | 5 to 55 |
| CLSI Editing | Disable |
| NOTIS Editing | Disable |
| MSI | |
| MSI | Disable |
| Set Length(s) for MSI | 4 to 55 |
| MSI Check Digits | One |
| Transmit MSI Check Digit | Disable |
| MSI Check Digit Algorithm | Mod 10/Mod 10 |
| Chinese 2 of 5 | |
| Chinese 2 of 5 | Disable |
| Korean 3 of 5 | |
| Korean 3 of 5 | Disable |
| Matrix 2 of 5 | |
| Matrix 2 of 5 | Disable |
| Matrix 2 of 5 Lengths | 14 |
| Matrix 2 of 5 Redundancy | Disable |
| Matrix 2 of 5 Check Digit | Disable |
| Transmit Matrix 2 of 5 Check Digit | Disable |
| Inverse 1D | Regular |
| Postal Codes | |
| US Postnet | Enable |
| US Planet | Enable |
| Transmit US Postal Check Digit | Enable |
| UK Postal | Enable |
| Transmit UK Postal Check Digit | Enable |
| Japan Postal | Enable |
| Australia Post | Enable |
| Australia Post Format | Auto discriminate |
| Netherlands KIX Code | Enable |
| USPS 4CB/One Code/Intelligent Mail | Disable |
| UPU FICS Postal | Disable |
| GS1 DataBar (formerly RSS, Reduced Space Symbology) | |
| GS1 DataBar-14 | Enable |
| GS1 DataBar Limited | Disable |
| GS1 DataBar Limited Security Level | 3 |
| GS1 DataBar Expanded | Disable |
| Convert GS1 DataBar to UPC/EAN | Disable |

| Parameter | Default |
|--|--------------|
| Composite | |
| Composite CC-C | Disable |
| Composite CC-A/B | Disable |
| Composite TLC-39 | Disable |
| UPC Composite Mode | Never Linked |
| GS1-128 Emulation Mode for UCC/EAN Composite Codes | Disable |
| 2D Symbologies | |
| PDF417 | Enable |
| MicroPDF417 | Disable |
| Code 128 Emulation | Disable |
| Data Matrix | Enable |
| Data Matrix Inverse | Regular |
| Decode Mirror Images (Data Matrix Only) | Never |
| Maxicode | Enable |
| QR Code | Enable |
| QR Inverse | Regular |
| MicroQR | Enable |
| Aztec | Enable |
| Aztec Inverse | Regular |
| Han Xin | Disable |
| Han Xin Inverse | Regular |
| Symbology-Specific Security Levels | |
| Redundancy Level | 1 |
| Security Level | 1 |
| 1D Quiet Zone Level | 1 |
| Intercharacter Gap Size | Normal |

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