M3 MOBILE
Your Best Mobile Business Partner

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.

The most advanced enterprise-ready mobile computer.

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

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.

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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

Category			Specification
Performance	CPU		2.2 GHz Octa-core processor (Qualcomm MSM8953 Cortex-A53) Release : 2016/4Q FAB : 14 nm LPP ISA : ARM v8 (64bit)
	GPU		Adreno 506, 650MHz
	OS		Android 7.1
	RAM		4G LPDDR3 933Mhz
	ROM		32G eMMC
Option	WWAN	DATA	GPRS : Class 12, (DL)85.6/(UL)85.6 kbps EDGE : Class 12, 236.8 / 236.8kpbs HSPA+ : (DL) 42 / (UL) 11.2 Mbps FDD-LTE : Cat4 150 / 50 Mbps
		Frequency	GSM(850/900/1800MHz) : B3, B5, B8 WCDMA(850/900/2100MHz) : B1, B5, B8 FDD-LTE(800/850/900/1800/2100/2600MHz) : B1, B3, B5, B7, B8, B20
	WLAN		IEEE 802.11 a/b/g/n/ac 2.4G&5GHz
	Scanner	1D	1D laser(SE 965)
		2D	2D Imager (SE 4710/N6600)
	Camera	Pixels	16 M(Rear) / 5.0M(Front) 4K 30fps, 1080p 60fps, H.264/H.265 MP4/WMV9/VC1/DivX/VP8/VP9
		Flash	LED Flash
	Sensor		Gyro, Ambient light, Accelerometer, Magnetic
	Audio		Earphone(3.5mm), Speaker(1W), Receiver, Mic
	GPS		A-GPS, GLONASS, Beidou
	Bluetooth		Bluetooth Class II 4.1 LE
	RFID	Frequency	NFC(13.56MHz)
		Type	Peer-to-peer, card reader, card emulation ISO 14443 A/B, ISO 15693
	Display	Size	5.0" FHD IPS (1920 x 1080)
	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)
	Interface	USB	Micro USB via Snap on
	Extended Slot		Micro SD(up to 128GB) (SDXC/SDHC/SDIO)
	SIM/SAM		Dual SIM(1SIM, 1SAM)
User Environment	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, 3 axis
	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 H
	Weight		280g

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			SM15N	SM15W
Performance	CPU		2.0 GHz Octa-core processor (Qualcomm MSM8953 Cortex-A53)	2.0 GHz Octa-core processor (Qualcomm MSM8953 Cortex-A53)
			Release : 2016/4Q	Release : 2016/4Q
			FAB : 14 nm LPP	FAB : 14 nm LPP
			ISA : ARM v8	ISA : ARM v8
	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
Option	WWAN	DATA	GPRS : Class 12, (DL)85.6/(UL)85.6 kbps EDGE : Class 12, 236.8 / 236.8kpbs HSPA+ : (DL)42/(UL)11.2Mbps FDD-LTE : Cat4 150 / 50 Mbps	N/A
		Frequency	GSM(850/900/1800MHz) : B3, B5, B8 WCDMA(850/900/2100MHz) : B1, B5, B8 FDD-LTE(800/850/900/1800/2100/2600MHz) : B1, B3, B5, B7, B8, B20	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)	1D laser (N4313)
		2D	2D Imager (SE 4710/N6600)	2D Imager (SE 4710/N6600)
	Camera	Pixels	13M (Rear) 4K 30fps, 1080p 60fps, H.264/H.265 MP4/WMV9/VC1/DivX/VP8/VP9	13M (Rear) 4K 30fps, 1080p 60fps, H.264/H.265 MP4/WMV9/VC1/DivX/VP8/VP9
		Flash	LED 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
	RFID	Frequency	NFC(13.56MHz)	NFC(13.56MHz)
		Type	Peer-to-peer, card reader, card emulation ISO 14443 A/B, ISO 15693	Peer-to-peer, card reader, card emulation ISO 14443 A/B, ISO 15693
	Display	Size	5.0" HD IPS (1280 x 720)	5.0" HD IPS (1280 x 720)
	Touch Panel		Capacitive touch, Glove/Wet/Pen	Capacitive touch, Glove/Wet/Pen
	Keypad		Volume +/- key, Camera key, Power Key, Scanner 2key, 4 Bottom Key	Volume +/- key, Camera key, Power Key, Scanner 2key, 4 Bottom Key
	Battery	Standard	Li-ion 3.8V 4,100mA (Fast Charging)	Li-ion 3.8V 4,100Ma (Fast Charging)
		Extended	Li-ion 3.8V 6,150mA (Fast Charging)	Li-ion 3.8V 6,150mA (Fast Charging)
	Interface	USB	Micro USB via Snap on	Micro USB via Snap on
	Expanded Slot		Micro SD(up to 128GB) (SDXC/SDHC/SDIO)	Micro SD(up to 128GB) (SDXC/SDHC/SDIO)
	SIM/SAM		Dual SIM(1SIM, 1SAM)	N/A
User Environment	Temperature	Operating	-20℃ to 60℃(-4°F to 140°F)	-20℃ to 60℃(-4°F to 140°F)
		Storage	-30℃ to 80℃(-30°F to 176°F)	-30℃ to 80℃(-30°F to 176°F)
	Humidity		0% to 95% non-condensing	0% to 95% non-condensing
	Drop		1.2M / 1.8M_(with Boots)	1.2M / 1.8M_(with Boots)
	Tumble		0.5M/1000Cycle, 1M/500Cycle_(with Boots)	0.5M/1000Cycle, 1M/500Cycle_(with Boots)
	Vibration		4Gs Peak Sine(5Hz to 2KHz); 0.04gˆ2/Hz Random(20Hz to 2kHz); 1 hour duration per axis, 3axis	4Gs Peak Sine(5Hz to 2KHz); 0.04gˆ2/Hz Random(20Hz to 2kHz); 1 hour duration per axis, 3axis
	Thermal Shock		-40℃ to 85℃(-40°F to 185°F) rapid transition	-40℃ to 85℃(-40°F to 185°F) rapid transition
	Sealing		IP65	IP65
	ESD Test		±15 kV air Discharge and ±8 kV Direct Discharge	±15 kV air Discharge and ±8 kV Direct Discharge
Physical	Dimension		154.8 L x 76.4 W x 21.6 mm H	154.8 L x 76.4 W x 21.6 H
	Weight		280g	280g

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contact to us

Headquarter
Seoul Korea
+82-2574-0037
sales@m3mobile.co.kr
Factory/Service Center
Bucheon Korea
+82-32-623-0037
cs@m3mobile.co.kr
EU Headquarter
Frankfurt Germany
+49-6190-8021829
sales_eu@m3mobile.co.kr
Germany Office

Nuremberg, Germany
+82-(0)70-4891-4651
sales_eu@m3mobile.co.kr
UK Office
Stafford UK
+44 1785 887914
France Office
Paris France
+82-(0)70-4891-4653
Turkey Office
Istanbul Turkey
+82-(0)70-4801-0358

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Various available accessories of SM15 Series

Name	SKU	Picture	Description
Battery Door Extended	SM15-BTD0-E00		Battery Door for SM15 when using Extended Battery
NFC Battery Door Extended	SM15-BTD0-EHF		NFC Battery Door for SM15 when using Extended Battery
Battery Door Standard	SM15-BTD0-S00		Battery Door for SM15 when using Standard Battery
NFC Battery Door Standard	SM15-BTD0-SHF		NFC Battery Door for SM15 when using Standard Battery
Spare Battery Standard	SM15-BATT-S41		SM15 Fast Charging Standard Capacity Spare Battery 4,100 mAh
Spare Battery Extended	SM15-BATT-E61		SM15 Fast Charging Extended Capacity Spare Battery 6,150 mAh
2 slot Charging-only Cradle	SM15-2CRD-C00		SM15 2-Slot Fast Charging only cradle for 1xSM15 & 1xSM15 spare battery.
2 slot Ethernet Cradle	SM15-2CRD-EC0		SM15 2-Slot Fast Charging & Ethernet cradle for 1xSM15 & 1xSM15 spare battery.
2 slot HDMI, Ethernet Cradle	SM10-2CRD-EC0-HD		SM10/SM15 2 slot HDMI, Ethernet cradle for 1xSM10/SM15 & 1xSM10/SM15 spare battery.
8 slot Charging-only Cradle	SM15-8CRD-C00		SM15 8-slot Fast charging cradle for 4xSM15 & 4xSM15 spare battery.
8 slot Ethernet Cradle	SM15-8CRD-E00		SM10/SM15 8 slot HDMI, Ethernet cradle for 4xSM10/SM15 & 4xSM10/SM15 spare battery.
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.

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Charging-only Vehicle Cradle (with boots only)	SM10-VCRD-C00		Charging-only vehicle cradle by Brodit® with Ciggarette Light Adaptor. Accomodates SM10/SM15 with protective boots. Requires vehicle mount(UNIV-RAMS or UNIV-RAMT; sold separately)
Protective Boots	SM10-BOOT-01		Boots for SM10/SM15 with handstrap. Attaches Stylus SM10/SM15 stylus pen; sold separately.
Screen Protector	SM15-SCPR		Bullet proof Screen Protector for SM15
Stylus Pen	SM15-STYL		Spare Stylus with tether for SM15
Power Supply 5VDC, 5A	ADAP-0505-DC0		Adapter I 5V/5A, DC Jack, One Slot I SM15
Power Supply 12VDC, 10A	ADAP-1210-DIN		Adapter I 12V/10A, DIN Jack, Four Slot I SM15
Power Supply 100~240VAC, 5VDC	SM10-PWSP-U00		USB Adapter (100~240VAC, 5VDC, 2A) I 6 plugs (AU,CN,EN,KR,UK,US) I SM10, SM15
UHF RFID Gun Reader CE	SM15-TRIG-UEB		UHF RFID & Scanning Trigger for SM15 CE
UHF RFID Gun Reader FCC	SM15-TRIG-UFB		UHF RFID & Scanning Trigger for SM15 FCC
Charging Snap On	SM15-SNAP-CUS		SM15 Charging/USB Snap-on
UHF Snap On	SM15-SNAP-UEB	Coming soon	Snap-on I UHF RFID/CE I SM15
Wearable Ring Scanner	SM15-WERS-U00	Coming soon	Wearable Ring Scanner I SM15
Wearable Sled (arm band)	SM15-WESL-U00	Coming soon	Wearable Sled (arm band) I SM15
Wearable Trigger	SM15-WETR-U00	Coming soon	Wearable Trigger I 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

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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

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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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