

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	<table border="1"> <tr><td>CPU</td></tr> <tr><td>GPU</td></tr> <tr><td>OS</td></tr> <tr><td>RAM</td></tr> <tr><td>ROM</td></tr> </table>	CPU	GPU	OS	RAM	ROM	2.2 GHz Octa-core processor (Qualcomm MSM8953 Cortex-A53) Release : 2016/4Q FAB : 14 nm LPP ISA : ARMv8 (64bit) Adreno 506, 650MHz Android 7.1 4G LPDDR3 933Mhz 32G eMMC
CPU							
GPU							
OS							
RAM							
ROM							
Operating System: Android 7.1 (8.X is Scheduled)	<table border="1"> <tr><td>WWAN</td></tr> <tr><td>DATA</td></tr> </table>	WWAN	DATA	GPRS : 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			
WWAN							
DATA							
Memory: 4GB RAM, 32GB Flash Up to 128GB of extended Micro SD slot	<table border="1"> <tr><td>Frequency</td></tr> </table>	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				
Frequency							
Display: 5.0 inch in FHD(Full High Definition : 1920 x 1080) Bright color LCD with backlight, outdoor viewable	<table border="1"> <tr><td>WLAN</td></tr> </table>	WLAN	IEEE 802.11 a/b/g/n/ac 2.4G&5GHz 1D laser(SE 965)				
WLAN							
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.	<table border="1"> <tr><td>Scanner</td></tr> <tr><td>1D</td></tr> <tr><td>2D</td></tr> </table>	Scanner	1D	2D	2D Imager (SE 4710/N6600) 16 M(Rear) / 5.0M(Front)		
Scanner							
1D							
2D							
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.	<table border="1"> <tr><td>Camera</td></tr> <tr><td>Pixels</td></tr> <tr><td>Flash</td></tr> </table>	Camera	Pixels	Flash	4K 30fps, 1080p 60fps, H.264/H.265 MP4/WMV9/VC1/DivX/VP8/VP9 LED Flash		
Camera							
Pixels							
Flash							
Keypad: Four Physical keypad, dual-action side scan triggers, Volume up/down, Camera, Power button	<table border="1"> <tr><td>Sensor</td></tr> <tr><td>Audio</td></tr> </table>	Sensor	Audio	Gyro, Ambient light, Accelerometer, Magnetic Earphone(3.5mm), Speaker(1W), Receiver, Mic			
Sensor							
Audio							
Audio: Speaker, TRRS earphone and microphone support, PTT support and Bluetooth® wireless headset support.	<table border="1"> <tr><td>GPS</td></tr> <tr><td>Bluetooth</td></tr> <tr><td>Frequency</td></tr> </table>	GPS	Bluetooth	Frequency	A-GPS, GLONASS, Beidou Bluetooth Class II 4.1 LE NFC(13.56MHz)		
GPS							
Bluetooth							
Frequency							
Camera: 16.0-megapixel color rear camera with autofocus, advanced software features for better image quality	<table border="1"> <tr><td>RFID</td></tr> <tr><td>Type</td></tr> </table>	RFID	Type	Peer-to-peer, card reader, card emulation ISO 14443 A/B, ISO 15693			
RFID							
Type							
for more information www.m3mobile.net / www.m3mobile.co.kr	<table border="1"> <tr><td>Display</td></tr> <tr><td>Size</td></tr> <tr><td>Touch Panel</td></tr> </table>	Display	Size	Touch Panel	5.0" FHD IPS (1920 x 1080) Capacitive touch, Glove/Wet/Pen		
Display							
Size							
Touch Panel							
	<table border="1"> <tr><td>Keypad</td></tr> </table>	Keypad	Volume +/- key, Camera key, Power Key, Scanner 2key, 4 Bottom Key				
Keypad							
	<table border="1"> <tr><td>Battery</td></tr> <tr><td>Standard</td></tr> <tr><td>Extended</td></tr> </table>	Battery	Standard	Extended	Li-ion 3.8V 4,100mA (FastCharging) Li-ion 3.8V 6,150mA (FastCharging)		
Battery							
Standard							
Extended							
	<table border="1"> <tr><td>Interface</td></tr> <tr><td>USB</td></tr> <tr><td>Extended Slot</td></tr> </table>	Interface	USB	Extended Slot	Micro USB via Snap on Micro SD(up to 128GB) (SDXC/SDHC/SDIO)		
Interface							
USB							
Extended Slot							
	<table border="1"> <tr><td>SIM/SAM</td></tr> <tr><td>Operating</td></tr> <tr><td>Temperature</td></tr> <tr><td>Storage</td></tr> </table>	SIM/SAM	Operating	Temperature	Storage	Dual SIM(1SIM, 1SAM) -20°C to 60°C (-4°F to 140°F) -30°C to 80°C (-30°F to 176°F)	
SIM/SAM							
Operating							
Temperature							
Storage							
	<table border="1"> <tr><td>Humidity</td></tr> <tr><td>Drop</td></tr> <tr><td>Tumble</td></tr> </table>	Humidity	Drop	Tumble	0% to 95% non-condensing 1.2M / 1.8M (with Boots) 0.5M/1000Cycle, 1M/500Cycle_(with Boots)		
Humidity							
Drop							
Tumble							
	<table border="1"> <tr><td>User Environment</td></tr> <tr><td>Vibration</td></tr> <tr><td>Thermal Shock</td></tr> </table>	User Environment	Vibration	Thermal Shock	4Gs Peak Sine(5Hz to 2KHz); 0.04g ² /Hz Random(20Hz to 2kHz); 1 hour duration per axis, 3axis -40°C to 85°C (-40°F to 185°F) rapid transition		
User Environment							
Vibration							
Thermal Shock							
	<table border="1"> <tr><td>Sealing</td></tr> <tr><td>ESD Test</td></tr> </table>	Sealing	ESD Test	IP65 ±15 kV air Discharge and ±8 kV Direct Discharge			
Sealing							
ESD Test							
	<table border="1"> <tr><td>Physical</td></tr> <tr><td>Dimension</td></tr> <tr><td>Weight</td></tr> </table>	Physical	Dimension	Weight	154.8 L x 76.4 W x 21.6 H 280g		
Physical							
Dimension							
Weight							

		SM15N	SM15W	
Performance	CPU	2.0 GHz Octa-core processor (Qualcomm MSM8953 Cortex-A53) <u>Release :2016/4Q</u> <u>FAB : 14nm LPP</u> <u>ISA:ARMv8</u>	2.0 GHz Octa-core processor (Qualcomm MSM8953 Cortex-A53) <u>Release :2016/4Q</u> <u>FAB : 14nm LPP</u> <u>ISA:ARMv8</u>	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	GPRS : Class 12, (DL)85.6/(UL)85.6 kbps EDGE : Class 12, 236.8 / 236.8kbps HSPA+:(DL)42/(UL) 11.2Mbps 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(800/850/900/1800/2100/2600MHz) : B1, B3, B5, B7, B8, B20	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)	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	Frequency	Bluetooth Class II 4.1 LE NFC(13.56MHz)	Bluetooth C II 4.1 LE NFC(13.56MHz)
		RFID	Peer-to-peer, card reader, card emulation ISO 14443A/B, ISO 15693	Peer-to-peer, card reader, card emulation ISO 14443A/B, ISO 15693
Display	Size	5.0" HD IPS (1280x720)	5.0" HD IPS (1280x720)	
	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°C to 60°C(-4°F to 140°F)	-20°C to 60°C(-4°F to 140°F)	
	Temperature Storage	-30°C to 80°C(-30°F to 176°F)	-30°C to 80°C(-30°F to 176°F)	
	Humidity Drop	0% to 95% non-condensing 1.2M/ 1.8M (with Boots)	0% to 95% non-condensing 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); 0.04g ² /Hz Random(20Hz to 2kHz); 1 hour duration per axis, 3axis	4Gs Peak Sine(5Hz to 2KHz); 0.04g ² /Hz Random(20Hz to 2kHz); 1 hour duration per axis, 3axis	
	Thermal Shock	-40°C to 85°C(-40°F to 185°F) rapid transition	-40°C to 85°C(-40°F to 185°F) rapid transition	
Physical	Sealing	IP65	IP65	
	ESD Test	±15 kV air Discharge and ±8 kV Direct Discharge	±15 kV air Discharge and ±8 kV Direct Discharge	
	Dimension	154.8L x 76.4W x 21.6 mm H	154.8L x 76.4W x 21.6 H	
	Weight	280g	280g	

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