



MOBILE COMPUTER M3 SM15 Series

APPLICATIONS

- Logistics Applications
- Warehouse Management
- Supply Chain Management
- Asset Management
- Retail Markets

FEATURES

- RFID HF | NFC Reader
- 1D or 2D Barcode Scanner
- Android 8.1 GSM
- 2.2 GHz Octacore CPU
- Extended Battery (6,150 mAh)
- 16 MP Rear Camera | 5 MP Front
- WWAN | WLAN | Bluetooth
- IP67 Protection Class
- Gorilla® Glass 5" Display
- User-centred design
- SOTI MobiControl

BARCODE OPTIONS

- 1D Barcode Scanner
- 2D Barcode Scanner

PRODUCT DESCRIPTION

M3 Mobile's SM15 is a rugged mobile computer in a compact design. Delivered with Android 8.1 Oreo with GMS, SM15 convinces with a fast learning curve, very easy use and an optimized battery life.

The built-in scanner for 1D or 2D barcodes and the integrated RFID HF | NFC reader (only for SM15X and SM15N) makes it an ideal companion for incoming goods, asset management or retail markets. A special highlight is the large 5" Gorilla glass FHD display.

Thanks to a particularly responsive touch screen, it can be operated with gloves, wet fingers and a pen. Included in delivery is a practical protective cover, which makes the SM15 insensitive to dust and moisture (according to IP67) and protects it against falls from up to 1.8 meters.

This robust and user-friendly handheld was developed specifically for the industrial sector. The M3 SM15 is equipped with four function keys, making it easy to use, even with thicker gloves.

In addition, the M3 SM15 has a selectable memory capacity thanks to its 2.0 GHz Octa Core processor. Various configuration options make this handheld an indispensable support for your business.

The SM15 series comes with a wide range of accessories like vehicle cradle, trigger handle or wireless plate. These are adapted to a wide range of applications in warehouse or inventory management or parcel delivery.

We deliver the M3 SM15 series with an software development kit for Android systems. This supports the programming languages: C++ and C# command protocol. Using the SDK simplifies the connection to your existing systems.



TECHNICAL DATA

PHYSICAL CHARACTERISTICS			
	SM15X	SM15N	SM15W
Dimensions	154.8 × 76.4 × 21.6 mm		
Weight	Standard: 280 g Extended: 340 g		
Display	Gorilla Glass 5-inch FHD (1.920 × 1.080) outdoor view-able	Gorilla Glass 5-inch HD TFT (1.280 × 720) outdoor view-able	
Battery	Standard: Li-ion 3.8 V 4,100 mAh Extended: Li-ion 3.8 V 6,150 mAh		
Interface	Micro USB USB 2.0 Client (C type)		
Camera (with Autofocus)	Rear: 16.0 MP Front: 5.0 MP	Rear: 13.0 MP	
Physical Keys	Four physical buttons on the lower section		

PERFORMANCE CHARACTERISTICS			
	SM15X	SM15N	SM15W
CPU	2.2 GHz Octa-core processor	2.0 GHz Octa-core processor	
RAM ROM	4 GB RAM 64 GB ROM	2 GB RAM 16 GB ROM	
SIM SAM	2 SIM or 1 SIM / 1 SAM		
Memory	MicroSD (up to 128 GB)		

USER ENVIRONMENT	
Operating Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Storage Temperature	-30 °C to 80 °C (-22 °F to 176 °F)
Humidity	5% RH to 95% RH (non-condensing)
Drop Specifications	1.2 M / 1.8 M (with Boots)
Protection Class	IP67
Vibration	4Gs Peak Sine (5Hz to 2KHz); 0.04g ² /Hz Random (20Hz to 2kHz); 1h duration per axis, 3axis
Tumble	0.5 M/1000 Cycle, 1 M/500 Cycle (with Boots)
ESD Test	mbl ±15 kV air Discharge and ±8 kV Direct Discharge
Sensors	Gyro / Proximity / Light Sensor

PROGRAMMING ENVIRONMENT	
Operating System	Android 7.1 / 8.1
SDK	Software Development Kit
Language	Javascript
Environment	Android Studio or Eclipse

COMMUNICATION			
	SM15X	SM15N	SM15W
WLAN	2.4 GHz/5.0 GHz Dual Frequency, IEEE 802.11 a/b/g/n/ac		
WWAN	2G GSM / GPRS / EDGE (850 / 900 / 1800 MHz) 3.8G UMTS / HSPA+ (850 / 900 / 2100 MHz) 4G FDD LTE (800 / 850 / 900 / 1800 / 2100 / 2600 MHz)		-
WPAN	Bluetooth Class II 4.1 LE Max E.I.,R.Power: 8.837dBm		
GPS	A-GPS, GLONASS, Beidou, Galileo	-	
Security	WEP, WPA, WPA2, TKIP, AES, EAPFAST, EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-TLS, PEAP-MSCHAPv2, LEAP, CCXv4		
NFC	ISO 1443 A/B, ISO 15693, Mifare, P2P Max Power: -13.75dBuA/m	-	

BARCODE READERS	
1D Barcode Scanner	Symbol SE955
Symbologies	Bookland, Codabar, Code 11, Code 128, Code 39, Code 39 Trioptic, Code 93, Discrete 2 of 5, GS1 DataBar, Interleaved 2 of 5, MSI-Plessey, Matrix 2 of 5, UCC/EAN-128
2D Barcode Imager	Honeywell N6603
Symbologies	Linear: UPC/EAN/JAN, GS1 DataBar, Code 39, Code 128, Code 32, Code 93, Codabar/NW7, Interleaved 2 of 5, Code 2 of 5, Matrix 2 of 5, MSI, Telepen, Trioptic, China Post, 2D Stacked: PDF417, MicroPDF417, GS1 Composite 2D Matrix: Aztec Code, Data Matrix, QR Code, Micro QR Code, MaxiCode, Han Xin Code Postal: Intelligent Mail Barcode, Postal-4i, Australian Post, British Post, Canadian Post, Japanese Post, Netherlands (KIX) Post, Postnet, Planet Code OCR Option: OCR-A, OCR-B, E13B (MICR)

RFID READERS	
HF NFC	13.56 MHz
Protocol	ISO 14443A, ISO 15693, NFC-IP1, NFC-IP2
UHF (GUN reader)	865 – 928 MHz (up to 5 m reading range)
Protocol	EPC C1 Gen2, ISO 18000-63

SUPPORTED STANDARDS TAGS	
ISO 18000-63	Standard ISO 18000-6C (EPC Class 1 Generation 2) E.g.: Alien Higgs 2/3/4, Impinj Monza, NXP UCODE, etc.
ISO 14443 A and compatible	Read/write: MIFARE® DESFire® EV1 2K / 4K / 8K, MIFARE® Classic Mini / 1K / 4K, MIFARE Ultralight®, MIFARE Ultralight® C, MIFARE® Plus S / X, MIFARE® Pro X, NTAG 21x Read UID only: Read UID only of all other ISO14443A RFID tags
ISO 14443 B and compatible	SRI4K, SRIX4K, AT88RF020, 66CL160S, SR176
ISO 15693 and compatible	EM4135, EM4043, EM4x33, EM4x35, I-Code SLI / SLIX, M24LR16/64, TI Tag-it HF-I, SRF55Vxx (my-d vicinity)

BASIC ACCESSOIRES



2 Slot Charging Cradle



Battery Cover



Power Supply



Standard Battery

EXTRA ACCESSORIES



2 Slot Ethernet Cradle



8 Slot Charging Cradle



8 Slot Ethernet Cradle



Extended



HDMI Cradle



Long Range Pistol Grip



NFC Battery Cover



Pistol Grip (Trigger)



Protective Boots



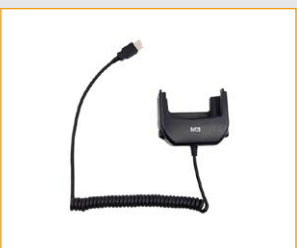
Stylus Pen



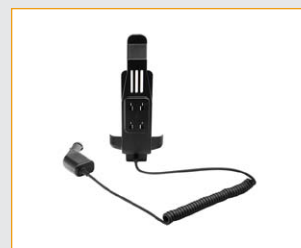
UHF Gun Reader



USB Charging Snap On



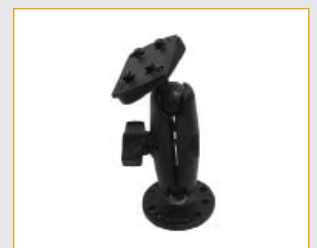
USB Charging Snap On
(bottom)



Vehicle Cradle



USB C-type Snap On



Vehicle Ram Mount
(Screw or Suction type)

WEARABLES



General Purpose Headset
HD Voice, Noise Cancelling connection to wearable sled USB C-type port

Rugged Type Headset

Wearable Ring Scanner
SM15 Wearable ring scanner BT type
(Charging cradle separated)

Ring Scanner Charging Cradle
(Battery charging available)
* Compatible with Android devices

Wearable wrist-mount
SM15 sled on the arm

Wearable Sled Belt
SM15 sled on the waist

Wearable Ring Trigger
SM15 Wearable trigger with QD connection cable

ORDER CODES

VERSIONS	ORDER CODES
M3 SM15X	R-HH-M3-SM15-X
M3 SM15N	R-HH-M3-SM15-N
M3 SM15W	R-HH-M3-SM15-W

VERSIONS	ORDER CODES
1D Barcode Reader	R-HH-M3-SM15-1D
2D Barcode Reader	R-HH-M3-SM15-2D

ACCESSORIES	ORDER CODES
2-Slot Charging Cradle	R-HH-M3-SM15-DTC
8-Slot Cradle	R-HH-M3-SM15-8SC
Pistol Grip (Trigger)	R-HH-M3-SM15-PG
Vehicle Ram Mount (Screw or Suction type)	R-HH-M3-SM15-VC
UHF GUN Reader	R-HH-M3-SM15-UHF
Hand Strap	R-HH-M3-SM15-HST
Spare Battery	R-HH-M3-SM15-PS
Extended Battery	R-HH-M3-SM15-PSE
Stylus Pen	R-HH-M3-SM15-SP

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