POINT Mobile

PM451 COLD STORAGE

CONQUERING FREEZING TERRITORIES WITH ADVANCED DATA CAPTURE TECHNOLOGY

Unlock safe and efficient operations in freezing conditions

The cold chain logistics industry demands specialized equipment capable of thriving in the harshest environments, from freezers to refrigerators or other cooling facilities. The new specialized PM451 for cold chain is engineered for uninterrupted and high-performance operation even at temperatures as low as -30 °C/-22 °F. With the new cold chain model, harness the power of a robust, smart device with an advanced scan engine and processor, even inside the freezer.

Reliable low-temperature battery pack

The cutting-edge low-temperature battery pack ensures your lithium-ion battery remains fully operational at typical freezer temperatures. Rigorously tested, with more than 10 hours of continuous scanning in freezer condition, the PM451's cold chain battery pack promises peak performance.

Condensation-free, vacuum-sealed scan window

Freezers poses a significant risk to electronic devices due to condensation. The PM451 cold chain model eliminates this concern with its innovative vacuum-sealed scan window. This safeguard protects the scan engine from potential damage and ensures optimal performance by preventing moisture-induced obstructions and degradation. Additionally, the display has been rigorously tested to function flawlessly in temperatures as low as -30 °C/-22 °F

Vacum glass window of scanner

Low temperature pack

android enterprise recommended

Industries

Transport & Logistics
Production
Warehouse Management

Accessories

Standard
AC/DC Power Adaptor
Country Plug
LCD Protection Film
USB-C cable
Battery STD 5700 mAh
(**low temperature**)
Stylus

Optional
Gun Handle
Single Slot Cradle (optional Ethernet)
4 Slot Charging Cradle
4 Slot Battery Charger
Strap to pistol grip
Rubber case PM451-ERC

Octa core 2.2 GHz	11	4GB/64GB	Łańcuch chłodniczy	4.3" WVGA	Gorilla Glass	STD 5700 mAh CDS	Enterprise Hot Swap	GPS GLONAS

LTE, WiFi,	Fast WiFi roaming	Bluetooth	2x MU-MIMO	2D imager SR/LR	13 Mpix flash next to scanner	NFC	IP65	3 klawiatury do wyboru

PM451 COLD STORAGE

PERFORMANCE CHARACTERISTICS

Main processor	Qualcomm® SDA660 2.2 GHz Octa Core

Operating System

Google Android	Android 11
	(upgradable to Android 14)
(CTS i GMS)	Upgradable FOTA
	(Firmware Over The Air)

Memory and Storage

RAM/ROM	4 GB / 64 GB
SIM	1 slot SIM micro

Sensors	Proximity sensor, Light Ambient sensor, Accelerometer

PHYSICAL CHARACTERISTICS

Dimensions

With STD battery	214.94mm L x 77.26mm W x 39.25mm D
	8.46 in. L x 3.04 in. W x 1.55 in D
Grip	61.6 mm / 2.43 in

Weight	450 g / 15.87oz

Display	4.3", IPS panel (480 x 800 pixel) WVGA
	LED backlight
	Daylight readable (min 500 nits)
	Wideviewing angle
	Multi-touch capacitive
	Corning Gorilla glass

Power

Battery STD	5,700mAh Li-ion rechargeable
Battery OPT	4,000mAh Li-ion rechargeable
Battery Back-up	3.7 V, 60 mAh (10C), Enterprise Hot-Swap

Keypad	3 Keypad options
(backlit keys)	Numeric, Function Numeric, Alpha numeric keypad (optional)

Audio	Built-in microphone and speaker
	Bluetooth, Support PTT (Push-2-Talk)

Standard Communication	USB 2.0 Type C/OTG (supports battery charging PC, USB memory)

Notification	Power (Charging, Battery Fault)
	Notification (Message, Scan)
Vibration	

GLOBAL POSITIONING SYSTEM

GPS

WiFi SKU : No GPS
Phone SKU : Qualcomm GPS
GNSS Receiver Support for GPS, GLONASS, Galileo and Beidou

WIRELESS

Wireless WAN

EDGE/GPRS/GSM	900/1800/850/1900
WCDMA	B1/2/5/6/8/19
LTE FDD	B1/2/3/4/5/7/8/12/13/ 19/20/25/26/28
LTE TDD	B38/B40/41

Wireless LAN

Radio	IEEE 802.11a/b/g/n/ac/d/h/i/k/r/v, IPv4, IPv6, 2x2 MU-MIMO
Data rates	5 GHz: 802.11a/n/ac: to 866.7 Mbps
	2.4 GHz: 802.11b/g/n: to 300 Mbps
Operating Channels	1 to 13 (2412~2472 MHz)
	36 to 165 (5180~5825 MHz)
Channel Bandwidth	20, 40, 80 MHz
Security and Encryption	WEP (40 or 104bit)
	WPA/WPA2 Personal (TKIP, AES)
	WPA/WPA2 Enterprise (TKIP/AES)
	WPA3 Personal (SAE)*
	WPA3 Enterprise (AES)*
	WPA3 Enterprise 192-bit mode (GCMP 256)* Enhanced Open (OWE)*
	PEAP (MSCHAPv2, GTC),
	TLS, TTLS (PAP, MSCHAP, MSCHAPv2, GTC) PWD, SIM, AKA, AKA', LEAP
	CCX v4 supported
	WiFi Direct and Hot spot support
Fast Roam	CCKM, 802.11r

*Supported on Android 11 devices only

Wireless PAN

Bluetooth	Bluetooth Class I Ver. 5.0
	BLE support

DATA CAPTURE

Integrated Barcode Reader

1D/2D barcode scaner	N6703

Camera	
Top	13 MP with LED flash (optional)
	next to scanner

NFC (Near Field Communication)
(Phone SKU only)

NFC-Forum (NFC-IP Modes)	Reader for NFC Forum (Tag Types 1 to 5), P2P Active (106 to 424 kbps) Initiator and Target P2P Passive (106 to 424 kbps) Initiator and Target
Reader (PCD – VCD)	ISO/IEC 14443 A, ISO/IEC 14443 B, ISO/IEC 15693, Mifare Classic 1K/4K, Mifare DESFire, Mifare UltraLight©, Sony FeliCa

USER ENVIRONMENT

Operating Temperature	-30 °C to 60 °C
	-22 °F to 140 °F
Storage Temperature	-25 °C to 60 °C
	-40 °F to 15 °F
Humidity	95% Non-condensing

Drop	Multiple drops from 1.8m (6ft) to concrete over the entire operating temperature range
	Multiple drops from 2m (6.5ft) per MIL-STD 810G at room temperature
Rain /Dust Proof (Sealing)	IP65
Drop	**1**,000 cycle (2,000 hits) at 1m / 3.3ft
Electrostatic Discharge	±15 kV air discharge
	±8 kV contact discharge

REGULATORY APPROVALS AND COMPLIANCE

Certified CE, CB, RCM, KC, IC, FCC, IFITEL, NOM, NBTC, CU, FAC, NRCan, DOE, CEC
Environmental: RoHS III & WEEE compliant

ENTERPRISE SOLUTION

PMDM
Simple yet powerful management solution

PMDM is a mobile device management solution for managing and monitoring your Point Mobile Android devices.

Centralized management of enterprise devices is vital for better productivity. You should provide a device configuration that the workers can concentrate on their work with the device, and also decrease the device downtime by predicting when to replace the battery, etc.

EmKit
Enterprise Mobility Kit

The EmKit is a set of value-added services developed by Point Mobile for system integrators. The EmKit supports the use, development of solutions and secure management of business devices.

PULS – ANDROID UPDATE & SECURITY

PULS is Point Mobile's lifetime solution, which extends the life cycle of Android-based Point Mobile enterprise devices to up to seven years after a product launch.

PULS
Patches, Updates & Lifetime Support

Stay up-to-date with the latest updates for 7 years

PULS comes free of charge for security patches & updates
Get the latest Android version and its newest features
Conveniently update your devices in the field by FOTA

For further information, please visit www.pointmobile.com or contact your regional sales representative.

WARRANTY

Subject to the Terms and Conditions, the PM67 comes with a 1 (one) year warranty from the date of purchase against defective materials and manufacturing defects

Point Special and Premium Care service is recommended.

For more information, please contact:
serwis@epicmobile.pl.

For more information, visit pm.epicmobile.eu or www.pointmobile.com