

Official Point Mobile Battlecard for PM451

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PM451

BRING SUPERIOR 4G CONNECTIVITY TO YOUR WORKPLACE

PM451 is the result of Point Mobile's ambitious project to change how the logistics and warehouse industry is working. Our designers' and engineers' ingenuity made PM451 the single outstanding device that will boost your workforce's productivity, thanks to unprecedented networking and data capturing performance.

Based on our extensive market research, providing LTE connectivity for warehouse terminals was found to be crucial. The warehouse tasks often include going from indoors to outdoors – making the networking solution an expensive headache. Being able to send out and receive data anywhere will change the paradigm of the warehouse wireless solution.



In order to provide our customers with the most natural and simplest workflow as possible, we placed the camera on top of the device to make it align with the imager. This intuitive design incorporates every data-capturing function into one simple movement.

The diverse nature of the industry also led to the development of a truly modular device. As an effort to meet our customer's various needs, PM451 comes with three different types of keypads – Numeric, Function Numeric and Alpha Numeric. We also provide three types of scanners to choose from: The 1D scanner option reads any 1D barcodes regardless of lighting, rapidly yet accurately. The standard range 2D imager reads all GS1 symbologies as well as poorly printed barcodes. You can opt for the extra long range imager that scans barcodes from a distance of up to 15 meters. An ergonomically designed gun grip is available as an option as well, which will further increase the productivity of the workforce.

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Battlecard

Point Mobile PM451



Powered by Qualcomm 2.2GHz Octa core processor and 4GB RAM and 64GB ROM, PM451 runs Android 9 smoothly and offers optimum user experience. PM451 meets IP65 rating and a drop resistance of 2m (MIL-STD 810G) at room temperature. Combined with dramatic operating temperature range, it is a rugged device meant to be used in harsh warehouse conditions.

AT-A-GLANCE

| DESIGN | SEAMLESS CONNECTION | SCANNING AT ITS BEST | MODULARITY | DURABILITY | AND MORE! |
|--|---|---|--|--|--|
| Functionality-oriented design with two LED indicators on each side and optional ergonomic gun grip | Optional LTE and Fast roaming – Making data processing available everywhere | 1D and 2D barcode scanners to choose from: Zebra SE965/ Honeywell N6703 Powerful extra long scanner: Honeywell EX30 | Offering three types of keypads: Numeric, Function Numeric, Alpha Numeric | IP65, — Multiple Drops per MIL-STD from 2m (6.5ft) at room temperature (Multiple 1.8m/6ft. drops to concrete over the entire operating temperature range) Operating Temperature from -20°C to +50°C | Various charging options (1 Slot, 4 Slot), Pre-installed management solution EmKit™ Lifetime Support program PULS (Stay up to-date with the latest updates for 7 years) |

Why choose PM451?

Three types of keypads



Numeric



Function Numeric



Alpha Numeric

Keypads – PM451 gives you a variety of options including keypads and scanners – this modularity will make the device perfectly suit for various customers’ needs.

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Three scanner options

■ **SE965 1D scanner** – It reads barcodes accurately regardless of lighting condition.

■ **N6703 2D scanner** – It reads all GS1 symbologies and poorly printed barcodes.

■ **EX30 The latest long range scan engine** – For the first time in the industry, making it the most powerful warehouse scanning machine now.



Unusual, but Clever camera placement



Placing camera in the rear and front of the terminal has been a long industry standard.

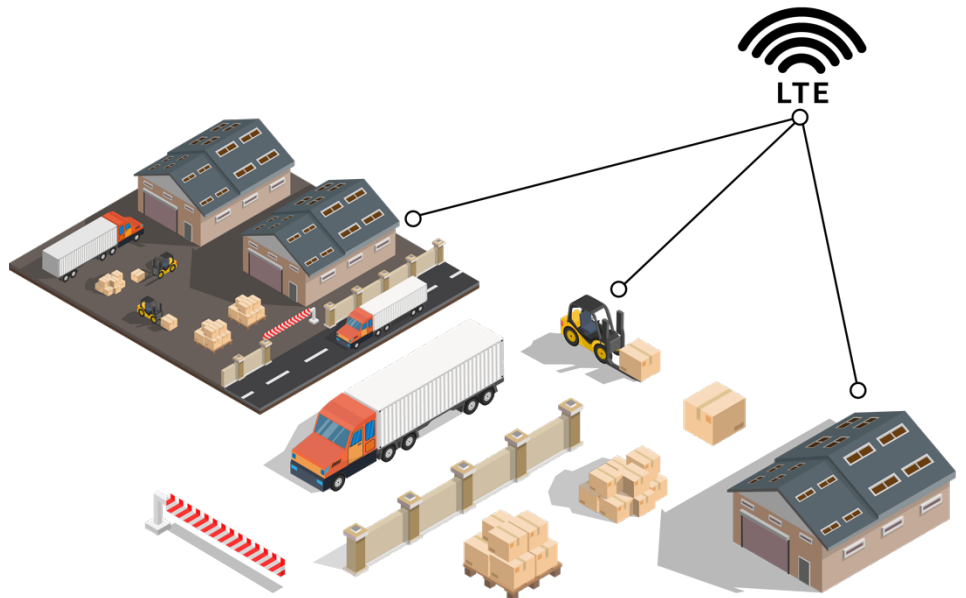
However, we broke out from the traditional design and put the camera next to the scan engine.

This decision makes the camera usage more comfortable and intuitive to the user, especially when being used with the gun handle.

How LTE option will change the warehouse operation

Warehouse is an environment that involves both indoor and outdoor task frequently. By providing LTE option, customers can easily solve the connection issue and save time and resources that would have been spent installing hundreds of access points.

As global logistics and warehouse demands grow at a rapid pace, on-time data processing is a key solution for the industry.



Ergonomically designed detachable gun handle



PM451 comes with gun handle option that can be attached/detached with four screws.

Thanks to its ergonomic design for comfortable grip and easy-to-reach scan button, customers may opt to use gun handle to boost the productivity of their workforce furthermore.

COMPARISON CHART

The comparison chart below shows the features and benefits of PM451 compared to other competitive devices in the market.

| | Point Mobile PM451 | Zebra MC3300 | Zebra MC9300 | Honeywell CK65 | |
|------------------------------------|--|--|--|------------------------------------|----------|
| General | | | | | |
| Display size | 4.3" | 4.0" | 4.3" | 4.0" | |
| Keypad | Numeric, Alpha Numeric, Function Numeric | Numeric, Function Numeric, Alpha Numeric | Alpha Numeric, Alpha Numeric STD Terminal Emulation, Function Numeric, Calculation Numeric | Numeric, Alpha Numeric | |
| Weight | From 450g | From 375g | From 765g | From 498g | |
| Ruggedness | | | | | |
| Drop test | 2.0m | 1.5m | 2.4m | 3.0m | |
| Sealing | IP65 | IP54 | IP67 | IP67 | |
| Operating temperature | -20 °C to +50 °C (-4 °F to 122 °F) | -20 °C to +50 °C (-4 °F to 122 °F) | -20 °C to +50 °C (-4 °F to 122 °F) | -20 °C to +50 °C (-4 °F to 122 °F) | |
| Performance Characteristics | | | | | |
| OS | Android 9 | Android 7 | Android 8 | Android 8 | |
| CPU | Qualcomm SDA660 2.2Ghz Octa-core | Qualcomm 8065 1.8Ghz Hexa-core | Qualcomm SDM660 2.2GHz Octa-core | Qualcomm SDM660 2.2GHz Octa-core | |
| RAM | Std. | 4GB | 2GB | 4GB | 2GB |
| | Opt. | - | 4GB | - | 4GB |
| ROM | Std. | 64GB | 16GB | 32GB | 32GB |
| | Opt. | - | 32GB | - | - |
| SIM Card Slot | Yes | No | No | No | |
| Micro SD Card Slot | Up to 512GB | Up to 32GB | Up to 256GB | Up to 512GB | |
| Battery Power | Std. | 5,700mAh | 2,700mAh | 7,000mAh | 5,100mAh |
| | Opt. | 4,000mAh | 5,200mAh | - | 7,000mAh |

| | Point Mobile PM451 | Zebra MC3300 | Zebra MC9300 | Honeywell CK65 |
|---------------------|----------------------------------|----------------------------------|----------------------------------|------------------------------------|
| Data Capture | | | | |
| Scan Engine | SE965, N6703, EX30 | SE965, SE4750, SE4850 | SE965, SE4750, SE4850 | N6703, EX20 |
| Camera | Top 13M | Rear 13M | Rear 13M, Front 5M | Rear 13M |
| NFC/RFID | Yes | Yes | Yes | Yes |
| Connectivity | | | | |
| WWAN | EDGE/GPRS/GSM/LTE | No | No | No |
| WLAN | 802.11 a/b/g/n/ac/d/h/i/k/r/v | 802.11a/b/g/n/ac/d/h /i/k/r/w | 802.11a/b/g/n/ac/d/h /i/k/r/w | 802.11a/b/g/n/ac/d/e /h/i/k/r/w |
| Bluetooth | 5.0, Class1 | 4.2, 2.1+EDR w/BLE | 5.0, Class2 | 5.0 |

BUSINESS SOLUTIONS INCLUDED - FREE OF CHARGE

The Enterprise Mobility Kit (EmKit™) is Point Mobile's value-added service kit engineered for the pure benefit of system integrators. EmKit™ supports the utilization, solution development, and secure management of your business devices as shown in the below chart. It is pre-installed on PM451 and comes at no cost.

For further information, please visit

<http://www.pointmobile.co.kr/#/en/home/products-business-solutions>

Development Tools

| | |
|-----------------------------|--|
| SDK for Android | Take full advantage of Point Mobile devices' capabilities by effortless development with SDK |
| RFID Development Kit | Implement higher level RFID function easy with Point Mobile's APIs |
| Ivanti Velocity | With Velocity, powered by Wavelink, can easily migrate and modernize existing applications at a pace you control |

Management Tools

| | |
|--|---|
| PULS | PULS (Patches, Updates & Lifetime Support) that provides security patch and updates, extends the lifecycle of our Android enterprise devices up to seven years after product launch |
| Direct Clone | Master PDA will function as a local server for nearby devices to automatically communicate and "clone" the settings of Master PDA without any network connection |
| Scan2Set | Setting up the device is not painful anymore. you can download the secure backup file and setup the device with a single scanning the QR code |
| Scan2Stage | Scan2Stage is a solution that enables Point Mobile devices to stage easily, no matter how many devices you have to prepare for production use |
| EMM (AirWatch, MobiControl, TeamViewer) | EMM that increase efficiency by assisting enterprise in monitoring and managing devices remotely |

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Productivity Tools

| | |
|-----------------------------|---|
| MultiScan | Increase efficiency by capturing multiple barcodes at once |
| Power Extended wedge | Using Power Extended Wedge which enables selective modification of decoded value, save your resources efficiently by capturing and sorting the only you need |
| TouchScan | Place the virtual scan button on the screen wherever the users want and tap the button to scan a barcode instead of the physical button |
| EmKiosk | Makes it easy to create single-purpose devices. You can improve workforce productivity and control user's access boundaries – Only authorized applications are visible |
| EmKeyboard | Improve productivity using EmKeyboard that enables fast and accurate data entry |
| EmHealthReport | Keep your device's battery healthy and improve the performance of the device with EmHealthReport that help you monitor and record the battery status to manage the battery's life cycle |

Business Tools

| | |
|---|--|
| PTT (Zello, Initial T, Cybertelbridge) | Connect all workers at the same time! PTT Solutions give you a truly unified enterprise device |
|---|--|

ACCESSORIES

Standard

AC/DC Power Adaptor
 Country Plug
 USB Type-C Cable
 5,700mAh Battery
 Stylus
 LCD Protection Film

Optional

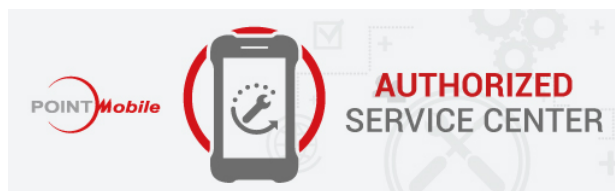
Gun Handle
 Lighter 4,000mAh battery
 Single Slot Cradle (Opt. with Ethernet)
 4 Slot Charging Cradle
 4 Slot Battery Charger

POINT CARE SERVICE OPTIONS

Various Point Care options are available for PM451. It includes the following services*:

| Category | | Point Basic | Point Extended | Point Special | Point Premium |
|----------------------------------|----------------------|-------------|----------------|---------------|---------------|
| Term | Device | 1 year | 3 or 5 years | 3 or 5 years | 3 or 5 years |
| | Accessory | | | | |
| Repair by authorized technicians | | 0 | 0 | 0 | 0 |
| Device diagnostic service | | 0 | 0 | 0 | 0 |
| Turnaround time (in house) | | 15 days | 10 days | 5 days | 3 days |
| Repair Coverage | Manufacturing defect | 0 | 0 | 0 | 0 |
| | Normal wear & tear | X | X | 0 | 0 |
| | Firmware reload | 0 | 0 | 0 | 0 |
| | Accidental breakage | X | X | 0 | 0 |
| Battery replacement | | X | X | Optional | 0 |
| Help desk | | 0 | 0 | 0 | 0 |
| Repair warranty | | 90 days | 90 days | 90 days | 90 days |

* Point Care must be purchased within 90 days of product shipment. Service options may vary by country. Please contact your local sales representative for further information.



Our Authorized Service Centers are located in Essen (Germany), Breda (The Netherlands) and Chicago (USA). The technical teams undergo continuous trainings on-site and in our HQ in Seoul to ensure quality and to fulfil our strict requirements.