



Handheld Mobile Computer

The PDX50 Mobile Computer delivers high-performance data collection with advanced connectivity, powerful barcode scanning, and rugged durability. Featuring a high-speed octa-core processor, 5G, CBRS, 5G private networks, Wi-Fi 6E connectivity, and a large 6-inch Full HD display, the PDX50 is built to keep workers productive in fast-paced environments. With a high-capacity 5000mAh battery, fast charging, and an IP68-rated rugged design, the PDX50 provides reliable performance throughout demanding workdays.

Performance Specifications

Processor Qualcomm® QCM4490 64-bit
Octa-core CPU, 2.4 GHz

OS Android™ 14+

Memory (RAM) 8 GB RAM

Internal Storage 128 GB Flash

Scan Engine Standard 2D Imager
Options (N5703SR)

Camera 8MP Front Camera
16MP Rear Camera (with flash)

Display Capacitive Multi-touch
Gorilla Glass with wet/glove support
6" - 1080 x 2160 @ 600 nits Display

Features Light, proximity, motion, E-compass,
and barometer sensors. Vibration
motor. GPS

Main Battery 18.5Wh, 5,000mAh Li-ion battery
(warm-swappable), <3-hour charge

Wireless Data Communications

WLAN 802.11ax (Wi-Fi 6E)
LTE/5G, CBRS (Advantix SmartSIM™)

WPAN BLE 5.2

NFC ISO14443A/B. ISO 15693



Physical Specifications

Dimensions 6.6" x 3.1" x 0.58" (169mm x 78mm x 15mm)

Weight 10.55oz (299g)

Interface Ports Type-C Fast-charge
Micro SD/NANO SIM Card Slot

Physical Buttons Volume control up/down
Power button, programmable button
Left/Right scanning

Audio Speaker and Dual microphone

Environmental Specifications

Storage Temp -40° C to 60° C / -40° F to 140° F

Operating Temp -20° C to 50° C / -4° F to 122° F

Drop Rating 6 Feet / 1.8 Meters / 1,000 Tumbles

Sealing IP65 and IP68

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