

MOBILE COMPUTER

HF550X



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INTRODUCING

Smartphone-style mobile computer that can increase work productivity with barcode scanner

HF550X

HF550X is a compact pocket-sized, ergonomically designed smartphone-style mobile computer.

1D/2D barcode scanning allows you to increase work productivity and perform various tasks through various wireless connections. It also has a longer life cycle than consumer smartphones, and supports fingerprint recognition to help enhance security and authentication.

In addition, the HF550X supports Business Optimization Solution BOS™ software to help enterprise manage terminals efficiently, and features a high-capacity battery that allows you to work long hours without charging.





SPECIFICATIONS

Dimensions & Weight

154.4 x 74.8 x 11.65 mm, 205g

Display

Corning® Gorilla® Glass

5.45", HD+ (1440x720), TFT-IPS

Power

3.8V / 4000mAh / Replaceable Battery

BOS™ PowerManager

Quick charging

0 to ~25% in ~15 minutes

0 to ~90% in less than two hours

Interface

Rear : 10-pin connector

Bottom : USB Type C Connector (USB 2.0)

Docking Connector (Charging)

Biometrics

Fingerprint Supported

Scanning

SE4100 1D/2D omnidirectional imager

(dual-action side scan triggers)



CPU

Qualcomm SD 660 2.2 GHz Octa-core

OS

Android 10

(Upgradeable to Android 14)

Memory

4 GB RAM / 32 GB UFS

4 GB RAM / 64 GB UFS (Optional)

RFID

(Optional- WLAN SKU Only)

UHF RFID (Nominal Read Range : up to 40cm)

Camera

Rear 13MP with flash, Auto focus

Network

LTE/WCDMA/GSM/EDGE

802.11 a/b/g/n/ac/d/h/i/r/k/v/w/mc, 2x2 MIMO

BT 5.0

GPS, GLONASS, Galileo, BeiDou, and A-GPS



DEVICE FEATURES_(1)



Get real pocket-power with true smartphone-style ergonomics

Forget the notion that industrial mobile computers are big and heavy. With its beautiful design and compact pocket size and slim(11.65 mm thick), HF550X offers the best grip to reduce work fatigue.

Enterprise-class data capture and external device connectivity

The HF550 is equipped with a 1D/2D scanner (dual action side scan trigger) that can capture barcodes quickly in any environment, and provides uninterrupted and reliable connection of various accessories through the interface port.

Supports wide range of wireless connections

2X2 MU-MIMO enables faster and more reliable Wi-Fi connectivity than wired, Bluetooth 5.0 supports connectivity to peripherals at a wider, faster speed with lower power. LTE is also available, ensuring connectivity to the outside world.



DEVICE FEATURES_(2)

BOS™



Powerful durability and lifecycle

HF550X is IP67 for rain or dusty use and has a 1.2m drop specification. In addition, unlike consumer smartphones with very short lifecycles, HF550X offers up to eight years(4+4) of maintenance service support to save on maintenance costs compared to commercial smartphones.

Supports fingerprint function for enhanced job security and authentication

HF550X provides fingerprint registration to enhance job security and facilitate authentication.

Business Optimization solution BOS™ software support

Bluebird Business Optimizing Solutions(BOS™) is designed to help enterprise organizations from app development to terminal deployment for business performance and convenience.

Power every minute of every workday

With a 4000mAh battery available for 1.5 times the shift time, it reduces the business downtime caused by terminal charging.

Why Choose the HF550X?

HF550X

Scanning	1D/2D omnidirectional imager (dual-action side scan triggers)	Drive the efficiency of your work	1D and 2D barcodes can be read. It can capture even dirty, scratched, or poorly printed barcodes, allowing barcode scanning under most conditions.
Display	5.45" HD+ (1440x720), TFT-IPS 400 NITS, 600NITS (Optional)	Ergonomic design maximizes user satisfaction	Larger screens can provide a variety of information and provide clear and bright visibility direct sunlight outdoors or under light.
Dimensions (Width)	74.8 mm	Reduced Maintenance costs	It is designed to be the same size as consumer smartphone and is optimized for one-handed use, so it can operate without any burden due to its excellent grip.
Power	3.8V / 4,000 mAh BOS™ PowerManager Station	Support for a wide variety of applications	With 1.5x the number of hours of shift work, you can reduce downtime caused by charging, and use BOS™ Power Manager to easily recognize and replace aging batteries for efficient maintenance.
Memory	4 GB RAM / 32 GB UFS 4 GB RAM / 64 GB UFS (Optional)	Fast data capture with enterprise-class barcode scanners	4GB RAM/32GB RAM enables support for applications that require more memory (4GB/64GB is optional)
Data Capture	Fingerprint Supported (Optional)	Enhanced Security	Fingerprint registration enhances job security and facilitates worker authentication



THANK YOU