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Rugged Mobile Computer **ST32**

Applications

RUGGED, BIG SCREEN, SLIM, ALL DAY OPERATIONS, seems to be a group of features that cannot be comprised themselves into a single package. Until now, we have answered your requests with ST32. It is just 250g (with 3150mAh battery), long battery life (10+ hours operation¹), big screen (4.3" diagonal), high resolutions (WVGA resolution) and yet comfortably to hold .

The ST32 mobile computer is a neat package that packs with functions your customers needed in major industries, namely retail, restaurant, hospitality and field services. It is rugged (IP66 and 1.2 meters drop to concrete), fully connected (Bluetooth, Wi-Fi b/g/n) and has various options that you can customize for your customers' needs.

Retail



Hospitality



Restaurant

Field Services

¹ Under room temperature, display ON, Wi-Fi ON and normal operations

Durable. Ergonomic.



1.2m drops

Reinforced polycarbonate structure withstands 1.2m drops on concrete multiple times across wide range of temperature per MIL-STD 810G standard.

IP66 water sealing

Rubber sealing prevents the ingress of dust and water to meet IP66 standard.



Anti-slip texture

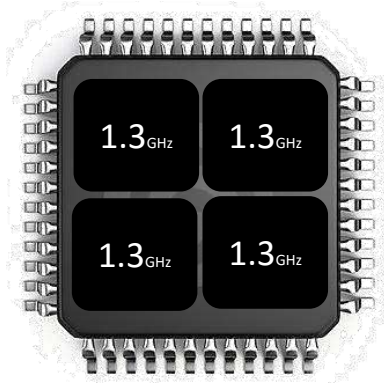
Provides you a better surface grip and reduces the risk of dropping device due to various outdoor working environments.

One hand

The size of ST32 is carefully designed to hold and operate by one hand.



Performance.



Quad-core 1.3GHz CPU

Keep your most computational demanding applications running smooth

Multiple scan engines

Pick either laser, CCD or 2D image scan engine to best suite for your applications.



Big color display

4.3" color WVGA (480 x 800) TFT and yet comfortably grabbed by users in perfect balance.

Long battery life

Under room temperature and normal usage, ST32 can operate 10+ hours. It is perfect to industries requiring 8 hours shift.

10+ hrs



Connect



3.5G Capabilities

Faster upload and download capability and yet consumes less battery power than 4G LTE.

Industrial grade Wi-Fi range

300 meters line of sight WiFi connectivity (at bit rate 1M bit / sec)



Integrated GPS

The GPS feature enables your customers' applications to be location sensitive.

Embedded NFC

The NFC standard broaden your customers' application spectrum by allowing applications to transmit and receive data in close and standard way.



ST32 Specifications



Physical

Dimensions:	140 mm(L) x 78 mm(W) x 19 mm(D)
Weight:	Standard battery: 250g
Display:	4.3 inch WVGA (480x800) TFT display with backlight
Touch Panel:	Tempered glass capacitive touch
Backlight:	LED backlight
Battery:	Rechargeable Lithium 3.7 V, 3100mAh
Expansion:	MicroSD slot (MicroSDHC support)
Connectivity:	High speed USB
Warning:	Vibrate and LED
Audio:	Speaker

Performance

CPU:	Cortex 1.3 GHz quad –core processor
OS:	Android 4.4
Memory:	1GB RAM, 4GB Flash
Interface:	USB 2.0 Client

User Environment

Operating:	-10°C to 50°C
Storage:	-20°C to 60°C (w/o battery)
Humidity:	90% non-condensing
Drop Spec:	1.2 meters drop multiple times per MIL-STD 810G standard
Sealing:	IP 66
Clock:	Integrated real time clock
ESD :	±15 kV (air discharge), ±8 kV (direct discharge)

Data Capture

Camera:	Autofocus 5 MP with user controllable flash
Barcode scanning:	1D CCD scan engine 1D laser scan engine 2D imager scan engine
NFC (Optional):	Peer-to-peer, card reader, card emulation

Wireless WAN Data and Voice

Radio:	HSDPA / UTMS / EDGE / GPRS
Frequency Band:	HSDPA / UTMS (900 / 2100 MHz) EDGE / GPRS (850 / 900 / 1800 / 1900 MHz)
GPS:	GPS/QZSS/SBAS (WAAS/MSAS/EGNOS/GAGAN)

Wireless PAN Data

Bluetooth:	Class II EDR 2.0; internal antenna
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Wireless LAN Data

Radio:	IEEE 802.11 b/g/n (2.4GHz)
Data Rates:	1,2,5.5,6,9,11,12,18,24,36,48, 54Mbps
Channels:	Channels 1-13 (2412-2472 MHz)
Security:	WEP (40 or 128 bit), TKIP, AES, WPA2-PSK, WPA-PSK, WPA2 (EAP-TLS, EAP-PEAP)
Antenna:	Internal

Accessories



Stylus



Power Adapter



Holster



Hand strap



3150mAh Lithium Polymer Battery



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Contact Us: If you have further enquiries, please contact us for more information & discussion.



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