Stonex S80 specifications and features

NAVAID

S80 OVERVIEW

The S80 GNSS-enabled rugged tablet from Stonex features an **Android 13** operating system with a Qualcomm QCM4290 64bit 8-core 2.0 GHz processor. It has 6 GB of RAM and 128 GB of flash memory. The S80 has a bright 800 nits display to ensure ensuring excellent visibility even in bright sunshine.

The S80 is shock resistant for falls of 1.2 meters and has a waterproof / dustproof protection rating of IP67. With programable physical buttons the S80 is the ideal tablet for use in tough field environments.

TECHNICAL SPECIFICATIONS

System

Processor:	Qualcomm QCM4290; 64 bit, Octa-core, 2.0 GHz
Operation System:	Android 13
RAM:	6GB
Flash Memory:	128GB
External Storage:	Micro SD card slot for up to 512GB

Data Communication:	Bluetooth 5.1 BLE
	Wi-Fi 2.4GHz+5GHz
	NFC
USB C connection:	USB 3.1 with OTG and Qualcomm Quick charge
POGO	POGO connection, 14 pin
Nano SIM card slot:	4G LTE GSM modem
Micro SD slot	Version 3. Up to 512GB card.

GNSS: GPS, GLONASS, QZSS, Galileo, Beidou, NavIC and SBAS
Dual frequency using both L1 and L5 frequencies.

Internal Sensors

Gyroscope:	Yes
Ambient Light Sensor:	Yes
Compass:	Yes
Accelerometer:	Yes
Barometer:	Yes

Display

Display:	8.0-inch
Resolution:	1280 x 800 pixels
Brightness:	800 nits
Touch Screen:	Multi-touch - wet hands and gloves operable.

Camera

Rear:	16 Mega pixels with 2 LED flash
Front:	8 Mega pixels

Power Supply

Battery:	Lithium-ion 3.8V 8200mAh (removable)
Working Time:	up to 12 hours (typical field use)
Charge Time:	2 hours on rapid charge (typical)

Physical Specification

Weight:	656 g
Dimensions:	235 x 146 x 14.5 mm
Operating Temperature:	-20°C to 60°C (-4°F to 140°F)
Storage Temperature:	-40°C to 70°C (-40°F to 158°F)
Protection Class:	IP67, 1.2 m drop resistant
Military Spec.:	MIL-STD-810H

Standard Accessories: USB C cable and USB battery charger

Optional Accessories: RTK module to attach to POGO port, mounting bracket for survey pole, hand-strap, screen protector and spare battery.