

VALKIR 4 GNSS GIS RECEIVER



- Rugged and Comfortable design
- 7" Display with capacitive touchscreen
- Android power for the most demanding tasks
- 10,000mAh that works all day long
- NMEA format for Software flexibility
- SIM Card Support for premium connectivity
- Latest Bluetooth, WiFi and GPS support.
- Standalone receiver or RTK controller
- 56 Satellital channels

ANDROID, GPS, GLONASS, IP67
RUGGED FIELD CONTROLLER

VALKIR 4 GNSS GIS RECEIVER

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Sensors

L1 GNSS positioning	
Antenna	Internal Antenna
Receiver	UBLOX L1 Neo-7P with PPP with 56 Channels
Signals	GPS / GLONASS / BEIDOU / QZSS
DGPS Correction systems	SBAS (WAAS / EGNOS / GAGAN)
Mobile Augmentation	AGPS / Mobile Network / WIFI
Single Horizontal Accuracy	2.5 m
Single Vertical Accuracy	5.0 m
Submetric Accuracy with DGPS or Internal Post-Process with Mobile Topographer Pro software	

Physics sensors

Accelerometer Sensor	3 Axis
Magnetic Compass Sensor	3 Axis
Gravity Sensor	3 Axis
Linear Acceleration Sensor	YES
Rotation Vector Sensor	YES
Magnetic Field Sensor	Optional
Gyroscope Sensor	Optional
RFID	Optional

Hardware

Physical

Dimensions (WxHxD)	152 mm x 250 mm x 18 mm
Weight	450 g with internal battery
Temperature	
Operating	-20 °C to +50 °C
Storage	-30 °C to +70 °C
Charging	0 °C to +45 °C
Relative humidity	95% non-condensing
Maximum operating altitude	3,300m
Maximum storage altitude	5,000m
Water and dust	IP67
Shock (non-operating)	1.2 m drop on plywood over concrete
Vibration	FIG.514.5C-1

Electronic

Hardware

Processor	MTK6589 1.2G Hz x4 Cortex A7 Quad Core or above
RAM	1 GB
ROM	4 GB
Removable ROM	8GB – 64GB (CLASS10 TF inside)
External storage	SD/SDHC up to 32 GB
Operative System	Android 4.2.X or above

Battery

Type	Rechargeable, internal removable Li-Ion
Capacity	10,000mAh
Charge time	2 hours (typical)
Battery run-time per battery	11 hours with Display and Bluetooth on
Standby time	100 days
Input	3 Buttons and capacitive touchscreen.
Connectors	Internal microphone and speaker, Mini Micro USB, Power 5VDC, 2000 Amperes SD Card Socket, SIM Socket

Camera

Back Camera Still mode	AutoFocus 8.0 Megapixels
Frontal Camera Still image format	JPG
Back Camera Still mode	AutoFocus 3.0 Megapixels
Frontal Camera Still image format	JPG
Video mode	HD
Video file format	Video Decoding Format: H.264, MPEG4, H.263, File Formats: RM, RMVB, AVI, MPEG4, FIV, 1080P

Cellular & Wireless

SIM-Card slot	Yes, unlocked
GSM	900/1800/1900MHz
UMTS/HSDPA	850/900/2100/3600 MHz
2G	850/900/1800/1900 MHz
GPRS, EDGE/WCDMA	850/900/1800/1900/2100 MHz
3G	Band1 / Band 2 / Band5 / Band8
Wi-Fi	IEEE 802.11b/g Q-54 Mbps QWPS WPA2 WPA WAPI
Bluetooth	Version 4.0 + EDR
Voice call enabled	Yes
SMS / MMS message enabled	Yes

Display

Type	Retina HD Outdoor OLED
Size	7inch diagonal
Resolution	1024 x 600 pixels
Luminance	600 cd/m2
Protection	Gorilla Glass
Touch Panel	5 points multi touch capacitive screen

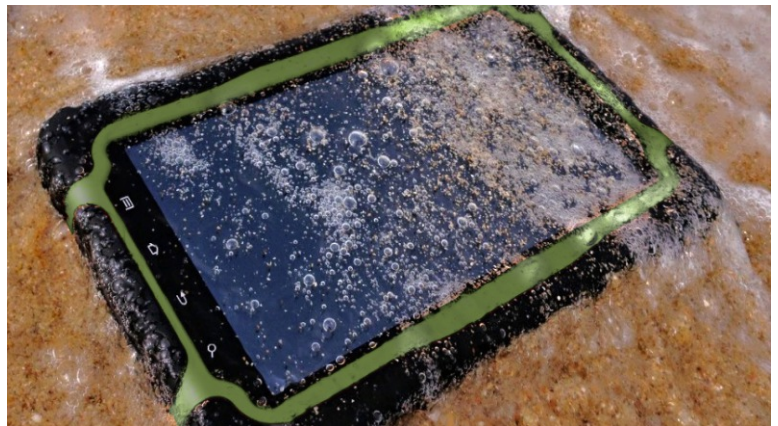
Sound

Speaker	Built-in single loudspeaker
Headphone	3.5mm stereo jack
Microphone	Internal

Software Options

- North TopView RTK GNSS Controller
 - Esri ArcPad™
 - Spectra Precision Survey Pro™
- and any other Android software.

- This description may include typographical errors
- Specifications are subject to change without previous notice.
- Specifications consider tests on optimal conditions.



Authorized Dealer: