

New Field-Map Hardware



IFER - Monitoring and Mapping Solutions Ltd. <http://www.field-map.com>

Field computers

Getac E110



Weighing about 1,4 kg the E100 is one of the lightest fully rugged tablets on the market. Powerful enough to run Windows 7, the E100 is designed to meet the needs of field service and customer service applications.

- Weight: 1600 g (including handle and battery)
- Size: 28 x 18,4 x 4,1 cm
- Power supply: Li-Ion smart battery 5200mAh up to 5 hours
- Temperature range: 0°C (optional -21°C) to +60°C
- Resistance: dust and rain (IP 65)
- Processor: Intel® Atom™ Processor N2800 1.86 GHz
- Memory: 4GB DDR3 DRAM, SATA SSD 64GB
- Display: 10.1" TFT LCD HD (1366 x 768) 750 nits QuadraClear™

Field computers



Getac F110

The fully rugged tablet with 4th generation Intel® Core™ i7 vPro™ technology.

- Weight: 1390g
- Size: 31 x 20.7 x 2,5 cm
- Power supply: Li-Ion battery 2160mAh x 2 up to 12 hour
- Temperature range: -21°C to 60°C
- Resistance: IP65
- Processor: Intel® Core™ i7 vPro™ Technology
- Memory: 4GB DDR3 expandable to 8GB, SSD 128GB / 256G
- Display: 11.6" TFT LCD (1366 x 768) 800 nits LumiBond™

Field computers

Getac T800



Built for today's mobile workforce, the new tablet features an 8.1 inch display, the latest wireless technology and unique SnapBack add-ons and runs Windows 8.1 Pro.

- Weight: 880 g
- Size: 23 x 16 x 2,4 cm
- Power supply: Li-Ion battery (7.4V, 4200mAh) (up to 8 hours)
- Temperature range: -21°C to 50°C
- Resistance: IP65
- Processor: Intel® Pentium® Processor N3530 2.16 GHz
- Memory: 4GB DDR3L
- Display: 8.1" TFT LCD HD (1280 x 800) 600 nits LumiBond® display

Field computers

Panasonic Toughpad FZ-G1



The fully rugged compact handheld computer, runs full Windows 7 or 8 on a 1920x1200 widescreen sunlight readable display.

- Weight: 1100 g (including battery)
- Size: 27 x 18,8 x 1,9 cm
- Power supply: Li-Ion 10.8V, 4400mAh up to 8 hours
- Temperature range: -10°C to +50°C
- Resistance: dust and rain (IP 65)
- Processor: Intel® Core™ i5-3437U vPro™ processor
- Memory: 4 or 8 GB, DDR3L SDRAM, 128 GB Solid State Drive
- Display: 10.1" WUXGA Active Matrix (TFT) up to 800cd/m² brightness

Field computers

Panasonic Toughpad FZ-M1



The Panasonic Toughpad® FZ-M1 is built to enable mission-critical mobile worker productivity without compromise.

- Weight: 540 g
- Size: 20,3 x 13,2 x 1,8 cm
- Power supply: Li-Ion battery pack up to 8 h
- Resistance: dust and rain (IP 65)
- Processor: Intel®Core™ i5-4302Y vPro™ Processor
- Memory: 4GB/8GB SDRAM (DDR3L-1333MHz)
- Display: 7" WXGA 1280 x 800 with LED backlighting

Field computers

Winmate M700D



The rugged 7" tablet with operating system Windows 7. It is water and dust (IP65) resistant. Integrates GPS, WLAN and Bluetooth (optional 3G).

- Weight: 770 g
- Size: 21,2 x 13,3 x 2,5 cm
- Power supply: 7.4V 2270mAh / 5200mAh Li-Poly (2,5 / 8 hours)
- Temperature range: -10°C to +50°C
- Resistance: dust and rain (IP 65)
- Processor: Intel® Atom™ Processor N2600 1.6 GHz
- Memory: 2 GB (4 GB) DDR3 SDRAM, 32GB (128 GB) SSD
- Display: 7" 1024 * 600 pixels, 500nit LCD

Field/tablet computers - summary

	Toughpad FZ-G1	Toughpad FZ-M1	Getac E110	Getac F110	Getac T800	Winmate M700D
Weight	1.1 kg	0.54 kg	1.6 kg	1.4 kg	0.88 kg	0.77 kg
Size of display	10.1"	7.0"	10.1"	11.6"	8.1"	7.0"
Average battery life	8 h	8 h	5 h	12 h	8 h	2.5/8 h
IP (resistance)	65	65	65	65	65	65
Processor	Intel®Core™ i5-3437U vPro™	Intel®Core™ i5-4302Y vPro	Intel®Atom™ Processor N2800	Intel®Core™ i7 vPro	IntelPentium m® Processor N3530	Intel®Atom™ Processor N2600
Memory	4/8 GB	4/8 GB	4 GB	4/8 GB	4 GB	2/4 GB
Display	ten-point gloved multi touch + digitizer	capacitive multi touch screen	Touchscreen -Pressure multi-touch screen	capacitive touchscreen (Optional dual mode touchscreen)	capacitive touchscreen (Optional dual mode touchscreen)	capacitive touchscreen

Laser rangefinder

TruPulse 200X

Compact, lightweight and rugged laser range-finder and inclinometer. Data communication is available through standard serial port or via Bluetooth.

- Weight: 382 g
- Size: 13 x 5 x 11 cm
- Power supply: 2 AA batteries
- Temperature range: -20 to +60°C
- Resistance: water and dust (IP 56)
- Accuracy (distance): ± 4 cm; typical
- Accuracy (inclination): $\pm 0.1^\circ$; typical
- Range measurement: up to 1 900 m; typical



TruPulse 200X vs. 360/B vs. 360R

	200X 	360/B 200/B 	360R 
Weight	0.382 kg	0.285 kg	0.385 kg
Resistance (IP)	56	54	56
Accuracy distance	± 4 cm	± 30 cm/± 10 cm	± 30 cm/± 10 cm
Accuracy inclin.	± 0.1°	± 0.25°	± 0.25°
Accuracy azimuth		± 1.0°	± 1.0°
Range measurement	Up to 1900 m	Up to 1000 m	Up to 1000 m
Equipment	Laser range-finder Inclinometer	Laser range-finder Inclinometer Magnetic compass	Laser range-finder Inclinometer Magnetic compass
Data communication	Bluetooth Serial port	Bluetooth Serial port	Bluetooth Serial port

GNSS devices

SX Blue III GNSS

The SXBlue III GNSS is a palm-sized receiver that delivers real-time 1 cm accuracy using GPS/GLONASS satellites.

- Weight: 125 g
- Size: 2.66 x 6.63 cm
- Power supply: Lithium-Ion pack. (8+ hours)
- Temperature range: -55°C to +70°C
- Resistance: IP 67
- Total channels: 117 (84 GPS, 24 GLONASS, 9 SBAS)
- Accuracy: 1.2 m
- SBAS accuracy: 0.3 m
- RTK accuracy: 0.01 m (ideal)



GNSS devices



SX Blue III-L GNSS

The SXBlue III-L GNSS is a palm-sized receiver that delivers worldwide, real-time sub-decimeter accuracy using GPS and GLONASS satellites with OmniSTAR's G2 or HP service.

- Weight: 517 g
- Size: 14.1 x 8.0 x 5.6 cm
- Power supply: Lithium-Ion pack (8+ hours)
- Temperature range: -55°C to +70°C
- Resistance: IP 67
- Total channels: 118 (84 GPS, 24 GLONASS, SBAS 9, L-Band 1)
- Accuracy: 2.5 m
- SBAS accuracy: 0.3 - 0.6 m
- Omnistar accuracy: 0.06-0.1 m
- RTK accuracy: 0.01 m

SX Blue III vs. II generation

	SXB. III GNSS	SXB. III-L GNSS	SXB. II GPS	SXB. II GNSS
Weight	125 g	517 g	464 g	114 g
Resistance (IP)	67	67	67	67
Accuracy basic	1.2 m	2.5 m	2.5 m	2.5 m
Accuracy best	0.01 m	0.01 m	0.025 m	0.025 m
Total channels	117	118	12	12
Types of channels	GPS GLONASS SBAS	GPS GLONASS L-Band support SBAS	GPS SBAS	GPS GLONASS SBAS
SBAS support	WAAS / EGNOS / MSAS /GAGAN	WAAS / EGNOS / MSAS / GAGAN	WAAS / EGNOS / MSAS	WAAS / EGNOS / MSAS / GAGAN

Field/tablet computer frames

Field computer frame

Specially created by IFER, this computer frame enables to carry computers Getac, Toughbook and Winmate and to assemble it on a monopod or tripod. The central part can be moved and inclined for easy reading. Weights only 1,3 kg.



Field-Map Rhino



Field-Map Stork



Thank you for your attention



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