



## FIELDBOOK

- 7" 1024x600 Sunlight Readable TFT LCD
- Intel® Atom™ Z530 1.6GHz CPU, 2GB RAM
- IP54, sealed I/O ports, -20°C operating
- XP Tablet/XP PRO embedded/Windows 7
- Fully rugged MIL-STD-810G, drop resistant from 4 ft.
- Twin hot-swappable lithium polymer battery packs
- Wireless connectivity, integrated GPS



The FieldBook is the latest of the next generation of rugged compact handheld computers. It runs full Windows XP or 7 on a 1024 x 600 widescreen sunlight readable display. It's twin Lithium Polymer battery packs are hot swappable for continuous operation. All ports are sealed or have rain and dust proof doors. FieldBook is MIL-STD-810 and IP54 certified and has been drop tested to 48 inches. Equip with GPS, UXGA camera, optional 802.11 b/g/i/n, RFID scanner or bar code reader. FieldBook is perfect for field maintenance or logistics applications.



# Monitor, capture communicate, test & measure with rugged performance

## SPECIFICATIONS

NAME	Fieldbook
CHASSIS	Magnesium alloy chassis Sealed ports and connectors
CPU	Intel® Atom™ Z530 (1.6GHz - 512KB L2 cache)
RAM	2 GB DDRII 533
VIDEO CONTROLLER	Intel® GMA 500 with 3D graphics
VIDEO RAM:	256 MB
HDD	120GB SATA 1.8" G-sensor <b>Optional :</b> 16, 32 or 64GB Solid State Drive SSD HDD Heater for low temperature option -20°C
AUDIO :	Intel® HD audio, Monaural 1.5W built-in speaker 2 x Mic. Array for voice recognition
STATUS INDICATORS	Power, battery status, HDD status, radio power
SECURITY	Kensington lock, Administrator and Boot password <b>Optional :</b> TPM Trusted Platform Module V1.2
DISPLAY	7" TFT LCD with touchscreen, 1024 x 600 pixel (WVGA) Build-in ambient light sensor to adjust LCD brightness
CONTROL BUTTONS	Touchscreen LCD, volume control Power on/off/suspend, Wireless on/off (WLAN & Blt.) Security button : equal to Ctrl + Alt + Del in Windows OS
I/O PORTS	Four Direction Keys + Enter Key, Brightness control CONFIG #1 : 2x USB 2.0 & 1x RS232 CONFIG #2 : 2x USB 2.0 & 1x RJ45 & 2x Audio jack CONFIG #3 : 1x USB 2.0 + 1x RS232 + 1x RJ45 CONFIG #4 : 2x RS232 Docking port for office or vehicle dock + DC input jack
EXPANSION SLOTS	1x PCMCIA or Express Card 54 slot 1x SD Memory Card
COMMUNICATION	Camera 2Mp-UXGA auto-focus WLAN – Intel WiFi Link 5100(802.11 a/b/g/n) * <b>Optional:</b> GPS receiver (+ external GPS antenna over cradle) HSDPA 3G Mobile broadband (WWAN) BlueTooth 2.1+EDR RFID scanner 13.56MHz 1D/2D barcode reader
POWER ADAPTER	DC Input : 100V–240V AC, 50Hz/60Hz <b>Optional DC Input:</b> MIL-STD-1275 vehicle adapter
BATTERY :	2x Li-Polymer 7.4V, 2500mAh Hot Swappable
DIMENSIONS :	9.2" W x 5.9" H x 1.9" D (Includes corner bumpers)
WEIGHT :	2.4 lb.

## OPTIONS & ACCESSORIES

Car Adapter  
Desktop Cradle \*  
Hand-strap  
Sealed I/O Connector

### \* DESKTOP DOCKING CRADLE :

4x USB, 1x RJ-45, 1x RS232, 1x DC-in, 1x VGA  
2 bay battery charger  
1x antenna port for external GPS antenna

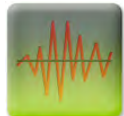
### VEHICLE DOCKING :

4x USB, 1x RJ-45, 1x RS232, 1x DC-in, 1x VGA  
1x antenna port for external GPS antenna

## I/O Configurations



## ENVIRONMENTAL SPECIFICATIONS



	STANDARDS / TESTS	STORAGE	OPERATING
<b>Temperature</b>	MIL-STD-810G Methods 501.5, 502.5	-40°F to 185°F	32°F to 122°F Optional -4°F
<b>Thermal shock</b>	MIL-STD-810G Method 503.5	180°F / min -4°F to 122°F 30 min cycles x 4 cycles	
<b>Relative Humidity</b>	MIL-STD-810G Method 507.5	95% @ 140°F RH, non condensing 5 x 48 hr cycles	
<b>Dust Protection</b>	IP5x IEC 60529 /AC2:2007	Tested	
<b>Water Protection</b>	IPx4 IEC 60529 /AC2:2007	Tested Rain chamber to operate at no less than 40 PSIG and no less than 4 in/hr. 10 min per axis, 6 axes	
<b>Vibration</b>	MIL-STD-810G Method 514.6 Procedure I Cat. 24, Fig. 514.6 C-17 & 514.6 C-18	0.04 g2/Hz; 20 at 1000 Hz ; -6 dB/octave 1000 to 2000 Hz ASTM 4169-99 Truck Assurance Level II, Schedule E	
<b>Functional Shock</b>	MIL-STD-810G Method 516.6 Procedure I	40 g (peak) half-sine, 11 ms, 3 axis, 2 directions, 18 shocks total	
<b>Crash Shock</b>	MIL-STD-810G Method 516.6 Procedure V	75 g (peak) half-sine, 8 to 13 ms, 3 axis x 6 shocks, 18 shocks total	
<b>Drop</b>	MIL-STD-810G Method 516.6 Procedure VI	48 in (122cm) drop, over concrete, each edge, face and corner 26 drops total (@ ambient temp)	
<b>Transit Drop</b>	MIL-STD-810G Method 516.6 Procedure IV	30 in (76cm) drop, over concrete, each edge, face and corner 26 drops total (@ ambient temp)	
<b>Salt Fog</b>	MIL-STD-810G Method 509.5	5% salt solution @ 94°F 48 hr wet, 48 hr dry	

\* Specifications are subject to change without prior notice

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Left side

- 1 Kensington Lock
- 2 DC in (Power in)

Top side

- 3 Optional : RFID scanner and Barcode reader
- 4 Express card + SD slot  
Optional : PCMCIA slot HSDPA SIM card slot
- 5 Optional GPS

Front side

- 6 Microphone
- 7 Light sensor
- 8 LED indicators
- 9 Speaker
- 10 Power ON
- 11 Directional key
- 12 Wireless ON/OFF
- 13 Windows Security
- 14 Functions key

Bottom side

- 15 Docking Port

Right side

- 16 Audio in
- 17 Headphones
- 18 USB 2.0
- 19 RJ45 Ethernet
- 20 USB 2.0

**CUSTOMIZATION**

Logic Instrument's Special and Customization group can modify the FieldBook configuration to adapt it to specific applications, like adding MILSPEC connectors, special mounting brackets, add-in electronics. Please inquire.

Configurable rear-mount Mission Box



Built-in waterproof Lemo connectors for 2 RS232 ports



Desktop docking cradle



Vehicle docking Station



**FIELDBOOK IN ACTION**

Diagnostic and maintenance tools for vehicles



Police vehicle terminal



Real time transmissions and geolocation for big city motorcycle taxi service



Universal standalone analysis and maintenance equipment (digital multimeter, oscilloscope, RF testing...)



Interactive electronic technical manuals



Tactical terminal for soldier



**About Logic instrument**

Logic Instrument is an international company with major facilities in France, the US and in Germany specializing in rugged computers and displays with original roots as a computer-based instrumentation company started in 1987. Logic Instrument's Tetra products are designed, tested and manufactured to MILSPECs, IEC and NEMA standards in our ISO-9001 certified facilities.

Products are developed on 3D solid modeling systems optimized for direct interface with our 7 axis milling machine that allows rapid prototyping and manufacturing of customer specific special components. Systems are assembled, tested and verified in accordance with our ISO-9001 certification.

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