

LOGIC

INSTRUMENT

Rugged Practical Compact Customizable



FIELDBOOK

Fieldbook - that's the name of the Logic Instrument's new rugged UMPC. A Fieldbook promise you absolute reliable and full mobile work in the harshest environments. This full-rugged Outdoor-Tablet-PC can be used in bone-chilling cold, in explosive environments, in the highest heights and also in salt-fog environment.

The Fieldbook is a real Outdoor UMPC with a sunlight readable 7 inch touchscreen display. The Fieldbook is dust- and rainproof in order to the IP65 standard and it got the MIL-STD810G certification.

A further feature is the variable I/O port modules. So you always get your Fieldbook with the I/O-ports that you need. For example are there modules with 2x RS232 or 1x RS232 and 2x USB.

With the fuel cell "JENNY" the Fieldbook runs over 20 hours with just one fuel cartridge and without wasting the Fieldbook batteries. So you still have up to 10 hours when the fuel cartridge runs empty or you just change it to get another 20 hours Fieldbook working time.

This very customizable Rugged UMPC is made to order : following your specific needs you can either choose standard unit or add-in integrated module CAMERA / GPS / COM PORT / WLAN / WWAN (HSDPA)/ Bluetooth / RFID or Bar code reader.

Conduct inspections, collect information, capture photos, and communicate with headquarters, all with the assurance that your data is protected.



Compact



Practical



Customizable



DIMENSIONS AND WEIGHT

Name :	Fieldbook
Model :	A1
Housing :	Magnesium alloy / IP65 rugged
Dimensions :	225 (8.9) x 145 (5.7) x 39,8 (1,6) mm (inch)
Weight :	ca. 1,3 kg (2,86 lbs) inclusive two standard batteries

SPECIFICATIONS

Processor :	Intel® Atom™ Z530 (1.6GHz - 512KB L2 cache)
FSB :	533 MHz
RAM :	2GB DDR2
HDD :	120GB SATA 1.8" with G Sensor (protects the HDD in case of drops)
Options :	32GB or 64GB SSD
VRAM :	Max. 512MB shared VRAM
Audio :	Intel® high Definition audio, Integrated waterproof 1,5 Watt speaker, Mic. Array
Status LED:	Power, Battery state, HDD State, Wireless connections
Security :	Kensington Lock, Administrator and Boot Password TPM Trusted Platform Module V1.2
Operating System :	Microsoft® Windows® XP Professional Tablet PC Edition pre installed / Windows 7 as Option
Features :	Sealed ports and connectors, daylight readable display Dual battery concept Integrated 2 Mpixel Auto-Focus-Camera (1600x1200) (Camera delete option available)

DISPLAY

Description :	7" TFT LCD with resistive Touchscreen and LED-backlights, 1024 x 600 Pixel (WSVGA) Daylight readable already in the standard configuration Landscape / Portrait - Modus (auto-rotating) Supports «Stealth mode» (Disabling of speaker and LED lights, display backlights down to 5 Nits) Ambient light sensor for automatically adjusting of the display backlights
Optionen :	„Advanced SR“-Display - sunlight readable display with stronger backlights (500 Nits) Dual-Mode-Display - Touchscreen and digitizer operating

INTERFACES

I/O Ports Standard:	1x Dockingport, 1x DC-In
I/O Port Modules :	2x USB & 1x RJ45 & 2x Audio or 2x RS232 or 1x RS232 & 2x USB or 1x RS232 & 1x RJ45 & 1x USB
Expansion slot :	1x Express Card slot or PCMCIA Type II 1x SD/SDHC Memory Card
Communication :	WLAN – Intel WiFi Link 5100 (802.11 a/b/g/n) Bluetooth 2.1+EDR (Bluetooth Class 1 with higher range as option) LAN (depends on I/O module)
Options :	GPS inclusive integrated antennas (U-Blox 5 module for GPS and Galileo signals) 3G+ (GPRS,EDGE,UMTS,HSDPA) including integrated antennas

CONTROL / BUTTONS

Pressure sensitive Touchscreen LCD-Display
Power on/off/suspend, Wireless on/off (WLAN & Bluetooth)
Security Key: (Ctrl + Alt + Del - on Windows OS)
5 cursor buttons, Function-Key (for secondary key options)

POWER / BATTERY

BATTERY :	Li-Polymer (7.4V, 2500mAh), 2 x 2-cell pack, HOT-SWAPPABLE
Option :	Double Capacity Batteries, Li-Ionen (7.4V, 5000mAh) (Duration up to 10h)
Power :	AC Input: 100V-240V AC, 50Hz/60Hz, Output: 19V DC, 3.42A

OPTIONS & ACCESSORIES

Car and office docking station, SSD up to 64GB
GPS- and/or 3G (HSDPA) integrated, Several I/O modules
Bar Code-Scanner and/or RFID-Reader, Smart Card-Reader
Ports via industrial or MILSPEC connectors possible

Operating Temperature	-20o C (-4o F) to +50o C (122o F) -2500mAh -20o C (-4o F) to +60o C (122o F) 5000mAh <0.5°C / min; 24 hr cycle x 3 cycles	MIL-STD-810G Methods 501.5, 502.5	Operating
Storage Temperature	-55oC (-40oF) to +60oC (185oF) -2500mAh -55oC (-40oF) to +75oC (185oF) - 5000mAh <0.5°C / min; 24 hr cycle x 7 cycles	MIL-STD-810G Methods 501.5, 502.5	Non-operating
Thermal Shock	-55°C & +75°C 4h min / cycles x 4 cycles	MIL-STD-810G Method 503.5 Procedure I	Non-operating
Relative Humidity	95% @ 60o C (140o F) 5 x 48 hr cycles	MIL-STD-810G Method 507.5	Operating
Dust Protection	IP6x (dust)	IEC 60529 IAC2:2007	Operating
Water Protection	IPx5 (j)	IEC 60529 IAC2:2007	Operating
Vibration	Fig 514.6E-1 & 514.6E-2	Mil Std 810G-514.6, Procedure I Cat. 24,	non-operating
Vibration	Truck Assurance level	ASTM1169-99	Operating
Drop Test	48 in (122 cm) drop, concrete, each edge, face and corner; 26 drops total (@ ambient temp)level	MIL-STD-810G Method 516.6 Procedure IV	non-Operating w/ HDD Operating w/ SSD
Altitude	40K (13 333m) feet @25°C 1.5h 15k feet (5 000m)	MIL-STD-810G Method 500.4 Procedure IV	non-operating

Office-Docking

- LED-status indicators
- Two battery charging bays
- 4x USB, 1x RS232, 1x VGA
- 1x LAN (RJ45)
- 1x Kensington Lock

**Auto-Docking**

- TÜV-certification possible
- Lockable
- LED-status indication
- 4x USB, 1x RS232, 1x VGA, 1x RJ45
- GPS antenna connection
- On-/Off switch

**Your Department**

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