

LOGIC

INSTRUMENT



Rugged  
Flexible  
Practical  
Powerful

## FIELDBOOK

The Fieldbook C1 is the second product in Logic Instrument's Fieldbook series. The Fieldbook C1 is a rugged but light weight Convertible PC which provides the advantages of a Tablet PC and a Notebook in one unit. It's low weight of just 5.5 lb. (2.5kg) and the comfortable handle make the Fieldbook C1 a take-anywhere companion that won't be a burden.

This rugged Convertible PC ties in with his little brother to leverage great flexibility in I/O configurations. Various I/O-modules ensure that the Fieldbook C1 always has the right interfaces for your application.

Thanks to the integrated Intel® Core i5 processor and memory up to 8GB DDR3 the Fieldbook C1 is ideally suited for advanced programs and applications.

The Fieldbook C1 is a modern working tool that not only performs in the lab, but easily survives the shock, vibrations, rain and drops up to 48" (1.22m) of the field environment. Low temperatures down to -20°C also won't bother this all-around performer.

The Fieldbook C1 opens the doors to creative deployment. Whether used in a rugged notebook configuration or changed to a Tablet PC with intuitive touch screen operation, whether in a factory or outdoors in bright sunshine, whether as a service tool in the service bay or as an in-vehicle navigation solution, the Fieldbook C1 is your reliable partner.

### Rugged



### Flexible



### Practical



## DIMENSIONS & WEIGHT

Label : Fieldbook  
 Model : C1  
 Housing : Partial magnesium alloy  
 Dimensions : 328mm x 227mm x 40,8mm (including bumpers and handle)  
 Weight : 2,5 kg incl. Standard battery

## SPECIFICATION

Processor : Intel® Core i5-540UM Processor with 2 CPU cores (3MB Cache, 1.2GHz, max. 2GHz Turbo Frequency)  
 Option : Intel® Core i5-560UM Processor with 2 CPU cores (3MB Cache, 1.33GHz, max. 2,13GHz Turbo Frequency)  
 RAM : Max. 8GB DDR3  
 Chipset : Intel HM55  
 BIOS : AMI Note BIOS EFI, Boot from LAN, USD, SD, Computrace ready  
 HDD : 250GB SATA2, removing without tools  
 Options : SSD, interne Backup-SSD  
 Graphik : Integrated graphic-controller  
 Audio : Intel® high Definition audio, 2 integrated 1,5W speakers, Mikrophone-input  
 Status indication: Power, battery status, HDD status, wireless connection  
 Webcam : Optional 1,3M pixel Webcam integrated  
 Security : Kensington Lock, Administrator and Boot Password  
 TPM Trusted Platform Module V1.2 with hardware switch, Fingerprint Scanner  
 Operating system : Microsoft® Windows® 7 32bit / 64bit  
 Features : Sealed I/O-ports  
 Sunlight readability (optional)  
 2nd battery for hot-swapping

## DISPLAY

Description : 12,1" TFT LCD with LED-Backlight, 1280 x 800 Pixel (WXGA), Resistive Touchscreen  
 Options : Sunlight readable Display  
 Dual-Mode-Display - Touchscreen and active digitizer stylus pen

## INTERFACES

I/O devices : 1x Express Card slot 34mm  
 1x SD Card Slot (SDHC)  
 I/O Ports Standard : 1x USB 2.0, 1x e-SATA / USB - combination, 1x RJ45, 1x DC-In, 1x VGA, 1x Audio-out / -in, 1x Docking connector  
 I/O Port Modules : 2x USB & 1x-RS232 (alternativ RS-422 or RS-485) or  
 1x USB & 1x Smart-Card-Reader or  
 3G (HSDPA & EVDO) & GPS or  
 2nd 2M pixel auto-focus camera module on the bottom of the unit  
 Communication : Gigabit Ethernet (PXE support)  
 WLAN Intel Wireless-N 1000  
 Bluetooth 2.1+EDR

## HANDLING / KEYS

Tablet Mode : Pressure sensitive Touchscreen LCD-Display  
 Dual-Mode-Display with Touchscreen and Digitizer (option)  
 Keys: Display direction controll, Brightness control, Stealth mode, Security Key, Quick menu, Programm button  
 Notebook mode : complete 87-key Keyboard, Kapacitive Touchpad

## POWER SUPPLY / BATTERY

Battery : Li-Ion battery 6-cell (5400mAh) - min. 4h, Battery life test program: Mobile Mark 2007  
 Optional : Zweiter LI-Ionen Akku 6-Zellen (5400mAh) - Both batteries min. 8h, Battery life test program: Mobile Mark 2007  
 AC Adapter : Input: 100V-240V AC, 50Hz/60Hz, 65W; Output: 19V DC, 3.25A, Engery Star 5.0 certified

## OPTIONS & ACCESSORIES

Auto docking station  
 GPS- and/or 3G (HSDPA) integrated,  
 Several I/O modules selectable  
 Dual-Mode-Display (Touch & Digitizer)

	STANDARDS / TESTS	STORAGE	OPERATING
Temperature	Operating: MIL-STD-810G -Methods 501.5, 502.5 -Procedure II Non-Operating: MIL-STD-810G - Methods 501.5, 502.5 - Procedure I	-40°C (-40°F) - 24hr +70o C (158o F) - 24hr cycle x 7 cycles	-20o C (-4o F) with AC adapter - 24hr. Operating under 0°C by using SSD as the main storage 0°C (32°F) with battery - 24hr +50o C (122o F) - 24hr cycle x 5 cycles
Relative Humidity	MIL-STD-810G - Method 507.5 - Procedure I	Induced cycle B3 (Hot humid) 15 cycles (1 cycle = 24hr)	
Water Protection	Spill proof: - Drip Proof: MIL-STD-810G - Method 506.5 - Procedure III	Water Drip : 280l/m²/h - 15min	Spill proof : 100cc water drop on all keyboard and touchpad area in 2-5 seconds with no effect on system operation or stability
Drop	MIL-STD-810G - Method 516.6 - Procedure IV	4 feet high (122 cm) with 26 drops to 2" plywood over concrete	
Vibration	MIL-STD-810G Method 514.6, Procedure I Cat. 24	Fig 514.6E-1 & 514.6E-2.	
	ASTM4169-04		Truck Assurance- level II
Certification	EMI + RF + Safety	EMI+RF: US: FCC DOC+ ID Canada: FCC DOC+FCC IC EU: CE+CEI Safety: US/Canada: CUS EU: CB RoHS/REACH compliant Energy star 5.0 certified	

## Powerful



## Auto-Docking

- LED status indication
- 1x RJ45 ethernet
- 3x USB 2.0
- 1x VGA-connector for ext. monitors
- Microphone & Speaker-connectors
- 2x RS232 serial
- 2x 5W speakers integrated

## Contact

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