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FIELDBOOK E1



THE REVOLUTIONARY FieldView™ Pro DISPLAY

The Fieldview Pro™ display in the Fieldbook E1 provides the best sunlight readable viewing in its class. By combining anti-reflective coating technology with advanced optical bonding and assembly techniques and super-bright LED backlights, the FieldView Pro E1 display gives you a readable display in direct sunlight, a strong shatterproof surface to protect the display and an energy efficient, battery saving lighting solution.

SURVIVABILITY

Dropping a computer from at any height is one of the leading causes of damage. So to keep you up and running in spite of minor mishaps, the Fieldbook E1 is equipped with a rugged solid state hard drive and designed and tested to survive drops up to 6 feet (1.8 m). For added protection there are rubber bumpers on each corner, a tempered glass, an optical bonded screen and an ABS-casing with an internal magnesium frame what makes the E1 durable but keeps it lightweight.



EVERYWHERE USABILITY

The Fieldbook E1 is suitable for virtually every application in any environment. The IP65 rating practically guarantees protection from all dust and liquids. And compliance with Mil-Std 810 gives you the edge to withstand normal shock, vibration, temperature extremes and even salt fog. The Fieldbook E1 temperature range is between -4°F and +140°F (-20° to +60°) and it can be started at -4°F (-20°C) from battery or ac adapter.

IP65

MIL-STD
810GMIL-STD
461F


-20°C



EVERYTHING ALREADY INTEGRATED

Super slim and super fit the FieldbookE1 weighs in at an incredibly light two half pounds and is only 1 inch thick. But this is a tablet packed with technology. Bluetooth, Wi-Fi, GPS, NFC enabled RFID, and dual front and rear cameras are all standard. For expandability and future considerations the E1 can be integrated with an optional 1- and 2-D barcode scanner as well as wide area network module (3.5 or 4G).



FINGER AND GLOVE OPERABLE

The FBE1 features a capacitive multi-touch screen for accurate input and intuitive control through gestures, such as zooming or rotating images and maps. The optimized device firmware allows the touch screen to be operated with a stylus for capturing signatures or even while wearing gloves.



INCREDIBLE RUNTIME

When you are constantly on the go it is reassuring to know that your E1 is with you all the way. A smart lithium-ion 10,000 mAh battery gives you an incredible runtime of up to 12 hours of continuous operation.

ACCESSORIES

Like for all our products, we offer for the Fieldbook E1 a wide range of appropriate accessories. This includes office and vehicle docking stations with various interfaces and external antenna connectors, car adapters from 12 to 32 VDC, mounts as well as different hand and shoulder straps for a comfortable handling. Furthermore, we manufacture additional accessories that tailor the Fieldbook E1 to customer's application.



OPERATING SYSTEM Android 4.2 + Google Play

PROCESSOR Texas Instruments Dual Core Cortex A9 OMAP4460 1.5GHz

SYSTEM MEMORY 1GB LPDDR2

STORAGE 32 / 64 GB eMMC NAND flash

AUDIO 1 x High quality speaker

DISPLAY 10.1-inch screen with LED backlight, 1366 x 768 Pixel (WXGA)
Best-in-class sunlight readable display - ECR 11.19 at 50.000 lux
FieldView™ Pro Technology - 2 AR layers + optical bonding
Landscape / Portrait - Modus (auto-rotating),
Supports «Stealth mode» (Speaker and LED lights disabled, display dimmed down to 0 Nits), Ambient light sensor for automatically adjusting of the display brightness

TOUCHSCREEN Polarized capacitive touchscreen
2 finger multi-touch
Operable with gloves

WIFI Wi-Fi IEEE 802.11 a/b/g/n

BLUETOOTH Bluetooth 4.0

BARCODE SCANNER Built-in – 1D/2D scanner (option)

RFID READER 13.56 MHz RFID, NFC support

GPS Integrated GPS incl. antenna, pass-through

WWAN (OPTION) 3.5G WWAN (Sierra MC8355 Gobi 3000) or
4G WWAN (LTE, AT&T Sierra MC7700) or
4G WWAN (LTE, Verizon Sierra MC7750) or
4G WWAN (LTE, EU, Sierra MC7710)

SENSORS Ambient light sensor, accelerometer, gyroscope, e-compass

CAMERAS Front camera with 1.2 Mega-pixel (HD)
Rear camera with 5 Mega-pixel, LED flashlight and geo-tagging

I/O PORTS 1x micro USB 2.0 OTG - support USB charging
1x audio jack for microphone and headphone
1x micro SD / SDHC
1x micro SIM
1x micro HDMI
1x DC-Jack
1x Docking Connector
1x MHL (Mobile High definition Link) pass through
1x GPS antenna pass through
1x RJ45 (Option, via bottom box on docking connector)
1x RS232 (Option, via bottom box on docking connector)

POWER Internal Smart Lithium Polymer battery, 10000mAh, 3.7V
Up to 12h battery life
Adapter: AC 90V ~ 243V, 47~63Hz input; 12VDC@2A

BUTTONS 1x Power button
2x Volume control (+/-)
1x Home (multi-functional: short click, long click, double click)
3x Programmable buttons with each a 2nd function
= 6 programmable buttons
1x Switch button - first and secondary function

FIELDCONTROL Pre-installed software to quick control the main Fieldbook features
- Brightness & volume, Auto-brightness On/Off, Auto-rotate On/Off
- Wireless devices On/Off, Airplane Mode
- Webcams Enable / Disable
- Key mapping (mapping for the programmable buttons)
- System Info incl. battery health (capacity & charging cycles)
- Admin menu to protect access to selected functions by std. user
- Update functionality

DIMENSIONS 287 (W) x 189 (H) x 28 (D) mm incl. rubber corners
11.3 (W) x 7.45 (H) x 1.11 (D) inches incl. rubber corners

WEIGHT 1.075 kg (2.37 lbs) (weight may vary depending on configuration)

ENVIRONMENT IP65 & MIL-STD810G, resists drops to 6 ft (1.83 m), salt fog, shocks, vibrations, thermal shocks, water, dust, cold start and low operating temperature at -20°C (-4°F) high operating temperature at +60°C (140°F),

REGULATIONS CE, FCC, UL
RoHS compliant
WEEE compliant

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|----------------------------------|--|--|
| Drop | 6-ft drop without the optional bottom box (RJ45/RS232) | MIL-STD-810G Method 516.6 |
| Operating Temperature | -20°C to +60°C (-4°F to 140°F) | MIL-STD-810G Method 501.5 and 502.5 |
| Cold start | -20°C (-4°F) from battery or AC-adaptor | In-house test in climate chamber 10x from battery, 10x from AC-adaptor |
| Storage Temperature | -30°C to +70°C (-22°F to +158°F) | MIL-STD-810G Method 501.5 and 502.5 |
| Thermal Shock | -20°C to +70°C (-4°F to +158°F) | MIL-STD-810G Method 503.5 |
| Humidity | 95% without condensation | MIL-STD-810G Method 507.5 |
| Vibrations operating | Fig 514.6C-3 | MIL-STD-810G Method 514.6 |
| Vibrations non-operating | Fig 514.6E-1 | MIL-STD-810G Method 514.6 |
| Functional Shock | 40G-11ms sawtooth | MIL-STD-810G Method 516.6 |
| Salt fog | Resists salt fog | MIL-STD-810G Method 509.5 |
| Altitude operating | 15k feet / 4572m | MIL-STD-810G, Method 500.5 |
| Altitude non-operating | 40k feet / 13333m | MIL-STD-810G, Method 500.5 |
| MIL-STD461F Ground Army (option) | CE 102 : Conducted Emissions, Power Leads, 10 kHz to 10 MHz CS 101 : Conducted Susceptibility, Power Leads, 30 Hz to 150 kHz CS 114 : Conducted Susceptibility, Bulk Cable Injection, 10 kHz to 200 MHz CS 115 : Conducted Susceptibility, Bulk Cable Injection, Impulse Excitation CS 116 : Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads, 10 kHz to 100 MHz RE 102 : Radiated Emissions, Electric Field, 10 kHz to 18 GHz RS 103 : Radiated Susceptibility, Electric Field, 2 MHz to 40 GHz | |

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