DATA SHEET

AGILLOX

AGX FB E1
EXTRA RUGGED
Android 10,1" Tabelt PC

Product Description

Performance of the AGX FB E1

THE REVOLUTIONARY FieldView™ Pro DISPLAY
With the FieldView™ Pro technology the AGX FB E1 E1 offers the best display in its class. Combining several techniques to improve the readability, the E1 display is perfectly readable even in direct sunlight. Firstly, a strong backlight is used to act contrary to the incident light. Furthermore, two anti-reflection filters are scattering the light to not to reflect it directly back to the user. In addition, we use optical bonding, wherein the gaps between the different display layers are filled up to prevent that at this point the light rays are refracted and reflected. Thus we obtain a higher transparency rate, which leads to an improved contrast ratio. Another advantage due to the optical bonding is that the stability of the entire display stack is improved.

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 AGX FB 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 AGX FB E1 is suitable for virtually every application in any environment. The IP 65 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 temperature range is between -4°F and +140°F (-20° to +60°).

EVERYTHING ALREADY INTEGRATED
Super slim and super fit the AGX FB E1 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 AGX FB E1 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.

* in preparation LF, HF and UHF

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Typical Applications

•Manufacturing	•Health Care	•Vehicle Maintenance & Diagnostics	
•Finance	•Education	•Automotive	•Security
•Gaming	•Hospitality	•Retail & POS	
•Insurance	•Transportation	•Home Automation	

Technical Specifications	**AGX FB E1**

Operating System	Android 4.0.4
Processor	Texas Instruments Dual Core Cortex A9 OMAP4460 1.5GHz
Memory	1GB LPDDR2
Storage	16 / 32 / 64 GB eMMC NAND flash
Touchscreen	Polarized capacitive touchscreen 2 finger multi-touch Operable with gloves
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
Keypad & 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
LAN / WLAN	Wi-Fi IEEE 802.11 a/b/g/n
WWAN (Option)	3.5G WWAN (Sierra MC8355 Gobi 3000) oder 4G WWAN (LTE, AT&T Sierra MC7700) oder 4G WWAN (LTE, Verizon Sierra MC7750) oder 4G WWAN (LTE, EU, Sierra MC7710)
GPS	Integrated GPS incl. antenna, pass-through
Bluetooth	Bluetooth 4.0
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)
Field Control	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
Camera	Front camera with 1.2 Mega-pixel (HD) Rear camera with 5 Mega-pixel, LED flashlight and geo-tagging
Barcode	Built-in – 1D/2D scanner (option)
RFID	USB&BT HF 13.56 MHz RFID, NFC support ISO 15693, 14443A/B, BT LF 125kHz & 134,2kHz and via BT UHF 868-925MHz
Sensors	Ambient light sensor, accelerometer, gyroscope, e-compass
Battery (hot-swapable)	Internal Smart Lithium Polymer battery, 10000mAH, 3.7V Up to 12h battery life
Adapter	Adapter: AC 90V ~ 243V, 47~63Hz input; 12VDC@2A
Dimensions	283.5 (W) x 179.7 (H) x 28 (D) mm incl. rubber corners 11.16 (W) x 7.07 (H) x 1.10 (D) inches incl. rubber corners
Weight	1.075 kg (2.37 lbs) (weight may vary depending on configuration)
Regulatory	CE, FCC, UL RoHS compliant WEEE compliant
Operating temperature	-20°C (-4°F) to +60°C (140°F)
Sealing	IP65 & MIL-STD810G, resists drops to 6 ft (1.83 m), salt fog, shocks, vibrations, thermal shocks, water, dust