IRON 10

Ultimate reliability
for extremely harsh environments

IRON 10

The IRON 10 rugged tablet (IP67 rating) was built to function in extremely harsh environments. It can operate at the low and the high temperature ranges, the minimum operating temperature is -40°C, the maximum is +50°C. Temperature of the cold start performance is -40°C. With its extended battery you can use the IRON 10 at -40°C for up to 10 hours, with an additional external battery — for up to 20 hours. At high temperatures IRON 10 operates for up to 14 hours with an extended battery and its operating time with an external battery increases to 28 hours.

The IRON 10 features 10.4-inch 1024x768 resolution projective-capacitive touchscreen display with 800 cd/m2 brightness. No matter how long you use the tablet, it remains bright and readable in any outdoor environments. Four keys (power, two keys for screen brightness adjustment, screen backlight on/off) are located in the special grooves in the case that prevent users from accidental pressing the buttons, from switching the tablet on and off unintentionally and also prevent energy mode from changing.

When it comes to power and performance the IRON 10 gives you all you need in one package: dual-core Intel® Atom™ E3825 processor with 4 GB DDR3L 1066 MHz RAM and 128 GB SSD, integrated GPS, Wi-Fi (optionally). You can find two rugged connectors on the tablet which USB Interface and power input (9 to 30 V) are embedded into. COM Interface and Ethernet can be optionally embedded into additional contacts. As for navigation, you can choose between integrated GPS and integrated GPS/Glonass. Another option is Satellite Communication Terminal.

The IRON 10 is built for hard work outdoors. It withstands vibration, humidity, drops and other external influences. Its unique feature is resistance to sinking. Thanks to its special case design the tablet equipped with standard battery does not think in water.

Do you need to hold data without risk of losing them due to extremely harsh environments? Then we can supply the tablet with Fischer Connectors Rugged Flash Drive. This extremely tough memory stick was designed for safe storage and transportation of sensitive data in harsh environments. It operates at wide temperature ranges (-40°C to +85°C) and withstands water immersion up to 120 m for 24 hours.

The IRON 10 is available in several colours and with various case design styles. Each tablet passes special tests and proves its ruggedness and high performance capabilities. Warranty period is one year.

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Size 275 × 230 × 50 mm

Weight 2.2 kg (2.5 kg with extended battery pack)

Environment:
- Operating : -40 °C to +50 °C
- Cold-start : -40 °C
- Storage: -50 °C to +50 °C

Water: IP67

Sand & Dust: IP67

Humidity: 0 ~ 98% (+ 25 ± 10 °C)

Sinusoidal Vibration
Acceleration amplitude: 40 m/s² (4g)
Frequency range: 1 – 80 Hz

Mechanical single impact
Peak acceleration: 200 m/s² (20g)
Duration: 0.3 – 1.0 ms

Drop
Drops from 1 m

Processor
Intel® Atom™ E3825 1.33 HHz (Dual Core)

Chipset Intel® Atom™ SoC

BIOS AMI EFI 64 Mbit

Memory
4 GB DDR3L 1066 MHz RAM

Disk 128 GB SSD

Operation System Linux / Windows

Screen
10.4" Projective-capacitive touchscreen display
Resolution: 1024x768
Brightness: 800 cd/m^2

Keypad
4 keys: power, screen вrightness adjustment (2 keys), screen backlight on/off

Battery
Lithium-ion battery pack
- Standard: 4.8 Ah or 5.5 Ah
- Extended: 10 Ah
- External extended: 10 Ah

Operating time at the maximum screen brightness
- Normal temperature (25 ± 10 °C): 7 hours

(14 hours with battery pack 10Ah, 28 hours with battery pack 20Ah)
- Minimal temperature (-40 °C): 5 hours

(10 hours with battery pack 10Ah, 20 hours with battery pack 20Ah)

Connections
Rugged connectors
DC power (9 to 30 V)
USB 2.0
Ethernet 10/100 Base-T (option)
COM (option)

Communication
Integrated Wi-Fi (option)

Navigation
Integrated GPS
Integrated GPS/GLONASS (option)