



FLINT 8


The Rugged Tablet That Sets the Standard for Versatile Field Computing





KEY FEATURES


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FLINT 8 combines the portability of a tablet with the convenience and performance of a laptop in a durable metal case.
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The 8" IPS Display with 1280 x 800 (10:16) produces crisp and clear images, and multi-touch screen makes it super-responsive to your finger commands.
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Intel® Bay Trail-CR (Z3735F) upgradable to Cherry Trail (x5-Z8300, x5-Z8500) Atom™ Processors, has turned FLINT 8 into a powerful portable computing machine.
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Made for the most demanding environments: unbreakable Gorilla 3 display glass, 1m immersible, dust proof, 1.22m drop, extreme temperature, humidity, shock resistant, etc.
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High Density 8,500 mAh Lithium Polymer Battery Pack continuously powering FLINT 8 for up to 6 hours.
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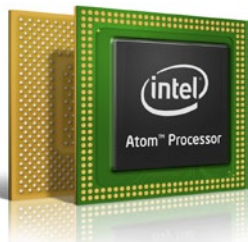
FLINT 8's comes standard with Dual Band a/b/g/n Wifi, Bluetooth 4.0, 3G WCDMA, and optional 4G LTE broadband.
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With FLINT 8's versatile handwriting system and two-button Active Stylus Pen with 512 pressure sensitivity levels, field personnel don't need to type to take notes.
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The 5MP Auto Focus rear camera with flash captures HD, high quality images, while the 2MP front camera lets the user to engage in a video chat.

FLINT 8 by CETRIX

FLINT rugged tablets are a new generation of tough and durable mobile computing machines for professionals in the field that combine performance, advanced features, precision instruments, system flexibility and extensibility in a light weight, attractive and highly affordable package.



Intel® Atom™:
High Power
Low Energy
Lots of Features

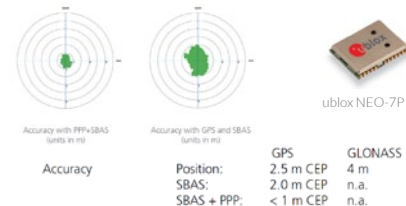
Atom™ was the first series of processors by Intel® specifically targeted for ultra mobile devices such as tablets, smartphones, netbooks, hybrids, and consumer electronics. At the same time, their 14nm and 22nm micro-architectures combine high performance with very low power consumption, allowing the device to utilize more applications and work for a longer time on battery.

Designed around Atom™ Cherry Trail (x5-Z8300 and x5-Z8500) and Bay Trail (Z3735F) processors, FLINT 8 takes full advantage of the features of this processor, including up to 1.83 MHz clock speed, Intel® Generations 7 and 8 Full HD graphics, up to 8GB of memory, up to 128GB Storage, Dual-band WiFi, 3G/4G LTE broadband, a long-life battery, up 5MP rear camera.

Tough Down to the Smallest Detail



What you expect from a rugged tablet is toughness, and FLINT 8 excels in that. Gorilla Glass 3 display, IP67 dust and water tight, MIL-STD-810G extreme temperature operating conditions and multiple drops from 1.22m endurance, sealed ports and hard rubber corners, ... prove that FLINT 8 is built tough down to the smallest detail so you can efficiently carry on your mission in the harshest environments with a peace of mind.



Military Grade Positioning Capability

FLINT 8 is the only rugged tablet in its class that offers the option of having Precision Point Positioning (PPP) GNSS with Military Grade position measurement accuracy. Using high-grade ublox NEO-7P module, FLINT 8 can pinpoint your desired location register down to below 1m accuracy.

Impressive Array of Options and Accessories



Professionals using computers in the field require various features and capabilities in order to complete their mission successfully. FLINT 8 offers options and accessories designed to respond to this requirement. High-quality stylus pen for handwriting, NFC and 1D/2D barcode readers, docking station, rugged external battery, hand strap, carrying bag are some of the options you can order with FLINT 8 to complete your rugged field computing package.



Technical Specifications

Display	8" IPS Display (10:16) 1280 x 800 Pixels, Sunlight Readable Multi-touch Capacitive Screen with Glove-Touch capability Gorilla Glass 3 Tempered Display Glass (9H Hardness Classification)
CPU ⁽¹⁾⁽²⁾	Intel® Bay Trail-T Atom™ Z3735F Quad Core (2M Cache, up to 1.83GHz) <i>Option:</i> Intel® Cherry Trail Atom™ x5-Z8300 Quad Core (2M Cache, up to 1.84 GHz) Intel® Cherry Trail Atom™ x5-Z8500 Quad Core (2M Cache, up to 2.24 GHz)
GPU	Intel® Gen 7 (Bay Trail) or Gen 8 (Cherry Trail) HD Graphics
Memory	1GB / 2GB DDR3L 1333MHz RAM Upgradable to 4GB DDR3L 1600MHz with Intel® Cherry Trail Atom™ Processors
Storage	32GB (Optional 64GB, 128GB) External MicroSD up to 32GB
Operating System ⁽³⁾	Windows® 8.1, 10 (64-bit) Android 4.4, 5.1 Dual Boot (Windows/Android) Configurable
Camera	Front: 2.0MP Rear: 5.0MP Auto Focus
Audio	Two High Quality Speakers (8Ω/0.8W) One Microphone
GPS ⁽⁴⁾	GLONASS, QZSS, GPS (ublox NEO-7N Module) Accuracy: 2-2.5m GPS; <4m GLONASS <i>PPP Option:</i> Precise Point Positioning (PPP) GNSS (ublox NEO-7P Module) Accuracy: <1m GPS; <4m GLONASS
Sensors	G-Sensor
Wireless Technologies ⁽⁵⁾	Dual-band (2.4GHz + 5GHz) 802.11 a/b/g/n Wi-Fi Bluetooth® 4.0 3G WCDMA 4G LTE (Optional)
Ports & Connectors	One Full-size USB 2.0 One Micro USB Micro HDMI 3.5 mm Stereo Headset jack Separate 3.5 mm DC-in port Docking Connector
Expansion Slots	MicroSD™ Memory Card Reader SIM Card Slot
Power & Battery	High Density 8500 mAh (3.7V); Up to 6 Hours Working Time Power adaptor, 5V / 3A
Environmental Temperature	<i>Operating Temperature:</i> -20°C to +60°C (MIL-STD-810G Method 501.5 & 502.5) <i>Storage Temperature:</i> -30°C to +70°C (MIL-STD-810G Method 501.5 & 502.5)
Humidity	5-95% without condensation (MIL-STD-810G Method 507.5)
Drop Test	1.2m (4-ft) drop (MIL-STD-810G Method 516.6 Procedure IV)
Mechanical Shock	<i>Operating:</i> 40g, 11ms, Terminal sawtooth (MIL-STD-810G Method 516.6 Procedure 1, Functional Shock) <i>Non-operating:</i> 75g, 8~13ms, Terminal sawtooth (MIL-STD-810G Method 516.6 Procedure V, Crash Hazard Shock)
Water Dust	Immersion down to the depth of 1 meter (IP-67) Fully Dust Proof (IP-67)
Physical Characteristics	226x156x16.5 mm 630g
Warranty	1 Year Limited Parts and Labor Warranty (extendable to 4 years) 120 Days Free Technical Support
Package	FLINT 8 Rugged Tablet Charger (Optional UK, EU, AU or USA Plug) USB Cable Hand Strap User Manual and Warranty Card
Options & Accessories	Docking Station with 3xUSB 2.0, 1xRJ45, DC input, additional battery charger Vehicle Mount and Charger Capacitive Handwriting Feature with Active Stylus Pen NFC, 1D and 2D barcode scanner Rugged 18,000 mAh External Power Pack Rugged Bluetooth Keyboard, Speaker and Headphone Backpack, Waist-Shoulder bag and Rugged Case

Specifications Notes:
(1) Type of CPU is specified when ordering.
(2) Cherry Trail chipset option is available starting 1 May 2016.
(3) Android 5.1 is available with Cherry Trail chipset.
(4) PPP GPS option requires longer lead time.
(5) Installation of 4G LTE module will lower the size of battery pack to 7000 mAh.