Technical data
MTL HMI and visualisation

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GECMA IS Tablet PC  Rev 2

CROUSE-HINDS
SERIES

# Eaton GECMA IS Tablet PC

## Intrinsically Safe Tablet PC for Zone 1/21



- **Lightweight design for enhanced portability**

- **Large 10.1-inch display for optimal information visibility**

- **High-capacity battery**

- **Provides excellent connectivity through Wi-Fi, LTE, Bluetooth, and NFC**

- **Front & rear camera or optional without camera**

- **Designed for optimal performance and reliability in harsh and hazardous environments**

The Gecma IS Tablet PC is the latest innovation designed to meet industry demands for durable, resilient mobile devices that seamlessly integrate operational and business data while remaining fully functional in harsh and hazardous environments.

The Gecma IS Tablet PC combines state-of-the-art hardware with a Microsoft Windows operating system to support customers on their digital transformation journey toward Industry 4.0. Engineered from the outset to be the lightest and fastest Windows device in its class, the Gecma IS Tablet PC is certified for ATEX/IECEx Zone 1/21 and UL 913 Class I, II, III, Division 1.

Powered by an Intel® Quad-Core CPU, 8GB RAM, and 256GB storage, the Gecma IS Tablet PC is the ideal solution to support your operational needs. Its 10.1-inch display with a 2560 × 1600 resolution delivers a best-in-class viewing experience for commissioning, maintenance, inspection, asset management, and other critical applications. Even accessing your Distributed Control System (DCS) and Manufacturing Execution System (MES) becomes effortless with such a powerful device.

The integrated lithium-ion battery pack provides a typical operating time of 12 hours before recharging is required. Charging through our docking station takes approximately 2.5 hours to reach 90% and 4 hours for a full charge.

You can safely and securely connect your Gecma IS Tablet PC to your existing Windows IT/OT infrastructure, enabling seamless sharing of mission-critical data across your organization for improved visibility, collaboration, decision-making, and performance. With integrated Wi-Fi, Bluetooth, and NFC, you can leverage your on-site infrastructure and a wide range of accessories to support local applications. For remote locations or integration into proprietary cellular networks, optional LTE connectivity ensures fast and reliable performance.

The Gecma IS Tablet PC conveniently includes two cameras—a front-facing and a rear-facing camera. For security-sensitive applications, we also offer a version of the device without any cameras.

The Gecma IS Tablet PC, running the Microsoft Windows operating system, has successfully passed Eaton cybersecurity tests and supports Intel® TXE Boot Guard 2.0.

# SPECIFICATION

| | |
|---|---|
| **Certification UL** | UL 913 8th Edition, CSA C22.2 No. 60079-0 & -11<br>Class I, II, III, Division 1, Groups A-G, T4<br>Tamb = -20°C…+55°C, IP67 |
| **Certification IECEx** | IECEx<br>Ex ia IIC T4 Ga<br>Ex ia IIIC T135°C Da<br>Tamb = -20°C…+55°C, IP67 |
| **Certification ATEX** | ATEX<br>II 2G Ex ia IIC T4 Ga<br>Ex ia IIIC T135°C Da<br>Tamb = -20°C…+55°C, IP67 |
| **Exterior** | W x H x D: 278 x 207 x 13.8 mm (10.94 x 8.15 x 0.54 in) - without battery<br>W x H x D: 278 x 207 x 28.3 mm (10.94 x 8.15 x 1.11 in) - at battery section<br>Estimated final weight: 1430g (3.08 lbs) |
| **Display** | 10.1" / 25.6 cm AHVA display<br>WQXGA (2560 x 1600 px)<br>Contrast 1000:1 (min.: 800:1)<br>Brightness 540 NITs<br>Viewing angle (up/down, left/right) 170°<br>16.7M colors |
| **Battery** | 7.2VDC 2x 3450mAh<br>Rechargeable Lithium Ion |
| **Charging Time (in standby)** | Wall adaptor: 0-90% in 2.5hours, to 100% in approx. 3.5 hours<br>Docking station: 0-90% in 2.5hours, to 100% in approx. 4 hours |
| **CPU, RAM & Storage** | Intel® Quad-Core Apollo Lake processor<br>Base: 1.6GHz, Burst 1.8GHz<br>8GB RAM, 256GB storage<br>MicroSDXC Card Slot (up to 2 TB cards supported) |
| **Wireless & LTE** | Wi-Fi 802.11 a/b/g/n/ac/<br>Bluetooth 5.2 + HS<br>NFC<br>LTE Optional: Worldwide LTE-A Cat 12 and UMTS/ HSPA+ |
| **Location** | GPS / GLONASS / Galileo<br>(Cold start <30s, Hot start < 2s) |
| **Connections** | Magnetic pin connector for rapid charging with wall charger<br>Docking connector supports LAN, USB 2.0, 3.0, USB-C, HDMI,<br>SD Card, and audio jack |
| **Software** | Windows 11 IoT |
| **Video & Audio** | Main Camera (rear-facing): 8MP Auto-focus with flash<br>Image: 3264 x 2448 px jpg, video: 1080p (Full HD 1920 x 1080) 30 fps<br>Secondary Camera (Front-facing)<br>Image: 1920 x 1080 px jpg, video: 1080p (FullHD 1920x1080) 30 fps<br>1 digital microphone front facing microphone array. Stereo speakers |
| **Sensors** | Ambient light sensor (ALS), Accelerometer, Gyroscope,<br>E-Compass, SAR proximity sensor |
| **Security** | Intel® TXE Boot Guard 2.0<br>FW TPM (Intel® PTT3)<br>Intel® Trusted Execution Engine Interface (Intel® TXEI) Driver<br>Intel AES New Instructions<br>BitLocker |
| **In the Box** | 1x GECMA Intrinsically Safe Tablet<br>1x Tablet Charger: 12VDC 3.33A power supply and adaptor |