

# RT71-FHD 7" IP67 Water Resistant 2600NIT Sunlight Readable Full HD Rugged Tablet PC



## Description

The 7" **RT71-FHD Military-grade Rugged Tablet PC - FHD Edition** manufactured by **Xenarc Technologies** is the **World's Brightest Tablet** which further brings versatility and usability to our 7" line of industrial and military-grade tablet pc. The **FHD Edition** can be identified by its Black enclosure and has these enhancements over our standard RT71: **2600NIT 1920 x 1200 FULL HD** Ultra High Brightness Sunlight Readable Display, **Cortex A73 Octa Core 2.0GHz Processor**, **8GB of memory**, **128GB of internal storage**, **Bluetooth 4.2 (LE)**, and runs on **Android 11**. This ruggedized tablet computer is not only **IP67** and **NEMA6P** rated for dust and water resistance, it is

also **direct sunlight readable** with a brightness of **2600 NIT**, making it the **Brightest commercially available tablet**. It's Aerospace-Grade Titanium Alloy Frame provides drop and vibration resistance. This multi-functional tablet incorporates **2G/3G/4G LTE cellular** support, 802.11 A/B/G/N/AC WiFi, and Bluetooth 4.2, making it perfect for almost any military, law-enforcement, automotive, industrial, mobile telematic, and drone application. The RT71-FHD is powered by a 10,000mAh battery that provides hours and hours of usability before requiring recharge.

Using the RT71-FHD is a breeze. The **RT71-FHD 7" Rugged Tablet PC** comes with a projected capacitive multi-touch touchscreen (PCAP). The touch panel itself is ruggedized to prevent cracks or scratches. Take pictures with the dual cameras (13MP rear, and 5MP front) or use the built in GPS sensor to allow location tracking. The applicability of this unit in any situation is limitless.

The Xenarc RT71-FHD Ruggedized Tablet PC is built to enable mission-critical mobile worker productivity without compromise. The RT71-PRO is the ideal tool for today's mobile workforce. Drone Operators, Military, Police, Electric Companies, Water Companies, Public Work Fleets, and Bikers love to use our RT71-FHD.

***\*IP67 rating is Lab Certified based on controlled test conditions for submersion in up to 1 meter of freshwater for up to 30 minutes while port covers are properly closed. Water resistance is not permanent condition and resistance might decrease as a result of normal wear. In accordance with industry wide policy, liquid damage is not covered by limited warranty.***

Why do our products outlast others in extreme conditions? Why do our products have a wider temperature range and a wider voltage input range? It is because our mission is to offer our customers the best products for any situation. By utilizing high grade components, this tablet is perfect for industrial, in-car computing applications or any other applications where a small, durable, environmentally rugged tablet / mobile IOT Terminal is required, including but not limited to:

- **Transportation** - Marine, Air, Heavy Vehicles, Mining, Weigh Stations, Fleet Management, Telematics, In-Car Computing, Public Transit, Cargo
- **System Integration** - Machinery Controls, Factory Automation, Environmental Monitoring, Home Automation, Military, Smart Home
- **Point of Sale** - Hospitality, Digital Signage, Self-Service Kiosks, Outdoor Kiosks and Signage, Casino
- **Data Monitoring** - Cloud, IoT, Medical, Logistics, Inventory Management, Oil & Gas/Utilities, Law Enforcement, Broadcasting, Veterinary, First Person View

## Features

- IP67 / NEMA6P Rated Water and Dust Resistance
- Aerospace-Grade Titanium Alloy Frame, Drop / Vibration Resistant
- 2600NIT Sunlight Readable with Long Life LED Backlight
- Toughened Projected Capacitive Multi-Touch Touchscreen supporting Glove and Water Spray
- 7 Inch 1920 x 1200 FHD IPS / AFFS Display
- 13.0MP Rear Camera and 5.0MP Front Camera

- 2G/3G/4G LTE Cellular Support
- 802.11 a/b/g/n/ac WiFi
- Bluetooth 4.2 (LE)
- Built-in GPS: GPS+Glonass+Beidou+AGPS
- Accelerometer, Orientation Sensor, Gravity Sensor, Linear Acceleration Sensor
- Rotation Vector Sensor, Magnetic Field Sensor, Gyroscope Sensor
- Long-life 10,000mAh Battery
- FCC, CE, MA, CCC Certification
- ROHS, REACH, ECE R118-03 Compliant
- 24 Month / 2 Year Warranty
- 30 Day No dead Pixel Guarantee

***\*IP67 rating is Lab Certified based on controlled test conditions for submersion in up to 1 meter of freshwater for up to 30 minutes while port covers are properly closed. Water resistance is not permanent condition and resistance might decrease as a result of normal wear. In accordance with industry wide policy, liquid damage is not covered by limited warranty.***

## Package Contents

- AC Adaptor with USB-C Charging Cable
- Magnetic Waterproof Charging Cable
- Short USB-C Cable for Drone Controller
- Hand Strap

## Specification

- Processor: ARM 64Bit Cortex A73 Octa Core 2.0GHz x 8
- Internal Memory: 8GB RAM + 128GB ROM EMCP
- External Memory: Micro SD Card (T-FLASH Card), 256GB max
- Operating System: Android 11
- Display: 7-Inch Industrial Grade 1920 x 1200 FHD IPS / AFFS LCD Display
- Brightness: 2600 cd/m<sup>2</sup> Sunlight Readable
- Touchscreen: Multi-touch Capacitive, Anti-Salt / Anti-Fog, 9H Hardness, Anti-Glare Screen Protector
- Cameras: 13.0MP(AF) with Flash LED Primary Camera and 5.0MP Secondary Camera
- Sim Card: 1.8/3.3V SIM Card
- Cellular Network Support: 2G/3G/4G - GSM(B2/3/5/8), WCDMA(B1/2/5/8), Evdo(BC0/BC1), CDMA(BC0/BC1), TD-LTE(B38/39/40/41), FDD LTE(B1/2/3/4/5/7/8/12/17/20/28); 2G&Call: EDGE/GPRS/WAP
- Bluetooth: BT v2.1+EDR/BT 3.0+HS compliance / Bluetooth v4.2 (LE)
- WiFi: Dual-band (2.4GHz/5Ghz) single stream 802.11 a/b/g/n/ac
- Navigation: GPS+Glonass+Beidou+AGPS
- NFC Near Field Communication: ISO14443A/B/ISO15693
- Data Interface: USB Type-C 24Pin support OTG

- Earphone: 3.5mm Headphone Jack
- Power Charger: USB Type-C
- Battery: 10,000mAh / 37Wh, 3.7V
- Operating Temperature: -4°F ~ 131°F (-20°C ~ 55°C)
- Storage Temperature: -40°F ~ 176°F (-40°C ~ 80°C)
- Relative Humidity: 5% ~ 95%
- Operating Altitude: 4,500m (15,000 Feet) Max
- Shake-proof: 1-19Hz / 1.0mm; 19-200Hz / 1.0g
- Dropproof: MIL-STD-810G / Method 516.6 / Procedure IV
- Dust Resistant: Class 6 (IEC 60529)
- Water Resistant: Class 7 (IEC 60529)
- MTBF (Mean Time Between Failures): > 55,000 Hours or > 6.2 Years of continuous operation;  
MTTR < 0.5 Hour
- Dimension (mm): 202W x 138H x 22D
- Weight (lb): 1.46

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Xenarc:

RT71-FHD