



10" Touch-P Controller

The MCU Swarm & Fleet Panasonic Controller is "All in One" ruggedized Tactical Mobile Controller / GCS (Ground Control Station) designed to support multiple drones (Swarm & Fleet) operation with variety of payloads.

It offers various controlling and viewing options to support mission critical operations, serving enterprise & governmental sectors within security, public safety, disaster recovery and unmanned applications.

The MCU Swarm & Fleet Panasonic Controller is designed to the highest standards to meet targeted applications prone to severe conditions and complex needs in Point to Multi Point and Mesh operations. It enables real-time HD video and broadband data content transmission by multiple

10" Touch-P Controller Key Features:

- Built to enable mission-critical operation
- All in One Unified, with multiple elements:
 - Toughpad touch screen tablet
 - Transceiver unit -MCU or SkyHopper
 - ICE Cybersecurity suite (optional)
 - Battery
 - Power supply & antenna
- Control of multiple Drones in Swarm & Fleet operational scenarios.
- Long-range Line-of-Sight Reception
- Real-time video streaming with on-screen display of video & data
- Dual receiver antenna & GPS location base services



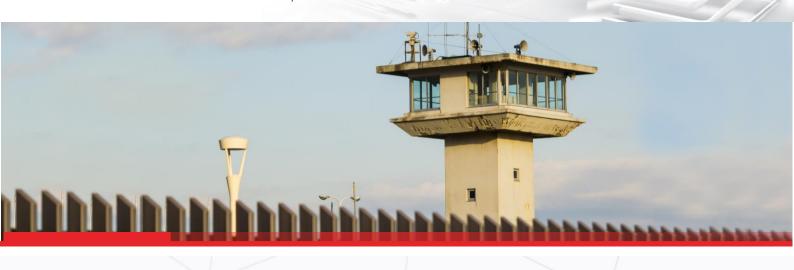


Product Highlights:

- Light & Compact
- All weather, IP 65, Dust & Water resistant Design
- 10" Panasonic Though pad Tablet with Intel core i5 Processor
- Daylight readable
- User-replaceable battery in field



Making Impossible Mission Critical Communications Possible



Tablet Specifications	
Туре	10" Toughpad FZ-G1 Panasonic
CPU	Intel core I5
User interface	Windows 10 Professional Linux, Android (optional)
Display	10" WXGA 1920 x 1200
Complied with all Windows based controlling software Linux & Android – optional	

Radio & Modem Specifications		
MCU-Touch is Compatible with all MCU and SkyHopper units		
Point-to-Point		
Point-to-Multipoint		
Relay, Mesh (optional)		
Broadcast, Multicast, Unicast		
Multiple users		
Max – 101dBm		
MIMO 2x2 Tx & Rx diversity		
OFDM, TDD		
AES128, AES256 and other options are		
also available for purchase (custom		
export control may apply)		
2.4GHz (ISM)		
900Mhz & 5.8GHz (ISM)-optional		
Other frequencies available		
According to MCU and SkyHopper		
product spec		
According to MCU and SkyHopper		
product spec		
Optional		

This is a preliminary version of the product for early adaptors; specifications are subject to change.

Dimensions (H x W x D)		
Tablet	25X49X10.5 cm	9.8X19.3X2.6" inch
Extender	25X49X10.5 cm	9.8X19.3X2.6" inch

Weight		
	1.75kg	3.86 pound

Power	
External	12-19 V DC
Battery	Li-ion

Environmental	
Grade	Extended Ruggedized
Operating Temperature	Operating -20 to 50°C Storage -50 to 85°C
Humidity	5 to 95% non-condensing
Casing	IP65: All-weather Dust and Water-resistant

Interfaces	
External Interface	USB 3.0 , USB 2.0, Ethernet *
Human Interface	1 joystick, 9 buttons including one fail-safe guard, 1 rocker switch ,one 5way switch User configurable
Ethernet (*)	2 lines supported
Antenna Connector	3xSMA:2xSDR, 1xGPS (optional)

Radio Configuration & Management	
Unit Monitoring Application	Web-Based Application
Programmer Interface	API