

FUGGON



SPARK 7

Ground Control System

For Unmanned Device Environmental Conditions



GNSS RTK
Positioning



AES-256 Data
Transmission
Encryption



Multi-Channel RF signals, 5~30 km
long range transmission



Programmable keys
for flight modes



Anti-Jamming
Solution



LEO Satellite
communication

Specifications

Display /Touch	7", 1080P, 1680Nits Sunlight readable – Outdoor / Touch
Processor	Qualcomm® Dragonwing™ QCS6490
OS	Android 14
APP	Flight Controller APP in Android
Memory	8 GB
Storage	128GB, MicroSD
Communication	Ethernet, WiFi 6E/BT
RF Module	RF module (MIMO) with x2~4 ant ; Depend on RF modules
External Interface	1x Type-C (USB-3.1 ,DP), 1x USB 2.0, 1x RJ45, Nett Warrior(optional)
Power	1x DC-IN (AC adapter 65W/20V), 1x Battery Pack Hot-Swappable
Human Interface	2x Joysticks, 1x Gimbal Joystick (Shutter), 1x Toggle Switch, 4x Function Buttons, 2x thumbwheel, 1x Power Button
Ergonomic	Hand free design, Handle, Non-slip design, Tripod Hole
Network Topologies	Point-to-point, Point-to-Multipoint
Protocol	RC: USB, S.BUS/i.Bus, Telemetry: MAVLink, Video: rtsp
Transmission Tech.	Depend on the RF modules
Encryption	128/256-bit AES (option)
Frequencies	1.6G /2.4G / 5.8GHz ; depend on RF modules
RF Power	0.2W/0.25W/1W/2W ; depend on RF modules
Range	2Km ~ 150km ; depend on RF modules
Dimension	263.8mm * 166.9mm * 68.4mm
Environment	MIL-STD-810H IEC 60529 IP65 Operating Temperatures: -20°C~50°C

Military Unmanned Service



Public Safety Unmanned Service



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