

Appendix 1: Specification and Parameter Table of T41 Box-Type Ground Station

High-Definition and High-Brightness Triple-Touch Screens with Simultaneous Touchpad Expansion

Three LCD screens are adopted, with the left and right dual screens used for image display and the middle screen for showing the ground station system interface. Its ergonomic design conforms to users' habits.

Joystick System with Free Mapping and Support for Traditional RC Access

The joystick system offers multiple programming modes, which can be mapped to the positions of each channel of 2 SBUS respectively.

Domestic First-Innovated Soft Key Setting

Each function key can realize single-state, dual-state, and triple-state control. Combined keys and super combined key functions are added, enabling the keys to simulate linear output functions and multi-function switching.

Highly Integrated All-in-One Design

- Supports external HDMI video input to realize the switching between computer split-screen and external access.
- Provides 4 RS232 interfaces and 2 S-BUS interfaces.
- Integrates a long-range integrated data link for image, data, and control. The wireless link adopts the three-frequency integration technology, supporting 800MHz, 1.4GHz, and 2.4GHz simultaneously.

Open SDK Function

It can be obtained through COM5 or USB HID, and each channel has a re-mapping function to meet users' more flexible applications.

Ground Terminal	Type	Parameters
	Channels	31 channels

	Joystick Type	Professional-grade joystick / Hall joystick
	Auxiliary Channels and Quantity	2 main joysticks / 4 auxiliary joysticks 12 keys / 4 three-gear switches 4 knobs / 7 analog keys 3 analog combined channels
	Remote Control Delay	40ms
	Battery Capacity	16.8V/25000mAh, external battery supported
	Battery Life	3 hours under full load operation
	Flip Angle	180°
	Display Screen	Left screen: 15.6-inch + 1920*1080 + 1000NIT/sunlight-viewable screen Middle screen: 15.6-inch + 1920*1080 + 1000NIT/sunlight-viewable screen Right screen: 15.6-inch + 1920*1080 + 1000NIT/sunlight-viewable screen
	Processor	Intel i7 10710U quad-core eight-thread processor, maximum turbo frequency 4.7GHz
	Graphics Card	Integrated Intel® UHD Graphics Supports DirectX 12, OpenGL 4.5, and 4K

Touch Function	Left screen: 10-point capacitive touch screen Middle screen: 10-point capacitive touch screen Right screen: 10-point capacitive touch screen
Memory	16GB (standard configuration)(32GB maximum, optional)
Storage Capacity	512GB (standard configuration), 1TB (optional)
Operating System	Windows / Linux / Kylin
Adapter	16.8V/10A
Triple Protection Feature	IP53
Network Interface	WIFI / Bluetooth (standard configuration), 4G (optional)
Computer Interface	2 USB3.0 ports, 4G card slot, LAN port, audio port, VGA port, HDMI input port
External Interface	4 RS232 ports, 2 USB3.0 ports, LAN port, HDMI in port
Overall Weight	11000g
Overall Dimension	416mm (L) * 304mm (W) * 96mm (H)
Operating Temperature	-20~+60℃