

RUGGED GROUND CONTROL STATION

AtlasULTRA

CONTROL EVERYTHING. EVERY TIME. EVERYWHERE.

A rugged 7-inch ground control station built around a 1750-nit display, drift-free hall-effect sticks and a dual-chain Atlas radio.

Active cooling and built-in heating keep it working from -20°C to $+55^{\circ}\text{C}$, a rear module bay takes Ethernet and other add-ons, and an SMB connector accepts external high-gain antennas when the mission needs more range.


[VIEW PRODUCT PAGE](#)
1320 g

Weight

7 inch

Display

1750 nits

Brightness

10 km

Radio range

 $-20\dots+55^{\circ}\text{C}$

Operating range

DISPLAY

Two screens, one glance

A 7-inch 1920×1200 multi-touch panel at 1750 nits with an ambient light sensor, plus a 1.04-inch OLED status screen for battery at a glance.



ERGONOMICS

Everything at a thumb's reach

Dual drift-free hall-effect thumbsticks and trigger wheels.



RADIO

Range you can rely on

The Atlas ATR-200 dual-chain radio reaches 10 km on the internal antenna across a 2.2 – 2.7 GHz extended range, and an SMB connector takes an external high-gain antenna.



ENDURANCE

Built to keep working

A central thermal core and three variable-speed fans hold temperature under load, and built-in heating brings the unit up from -20°C in 15 minutes.



SPECIFICATIONS

TECHNICAL SPECIFICATIONS

Ground control station

PHYSICAL

Dimensions (w × d × h)	266 × 176 × 66 mm
Weight	1320 g
Enclosure	Impact resistant PC-ABS, UL94V-0
Ingress protection	IP54 (designed as)

OPERATIONAL ENVIRONMENT

Operating temperature	-20°C to +55°C
Relative humidity	5 ~ 95%, non-condensing

THERMAL MANAGEMENT

Heat dissipation	Central thermal core design
Adaptive active cooling	3x variable speed fans
Built-in heating	Yes, heat-up in 15min at -20°C

DISPLAY

Display	7 inch, capacitive multi-touch
Resolution	1920 × 1200, 16:10 aspect ration
Max. brightness	1750 nits, has ambient light sensor
Technology	IPS, full panel lamination
Front cover glass	5.5 Mohs hardness
Secondary status screen	1.04 inch OLED

MAINBOARD

CPU	Octa-core MT8395 SoC
RAM	8GB DDR4
Storage	128GB UFS, MicroSDXC up to 2TB
Hardware acceleration	H.264/H.265 encoder/decoder
Operating system	Linux, Android 13, AtlasCONNECT

BATTERY AND POWER

Battery capacity	84 Wh
Runtime	4.5 hours
Charging input	USB-C PD2.0
Max. charging power	65W (3.25A at 20V)
Charging time to 100%	~80 min



INPUTS, SENSORS AND HAPTICS

Thumbsticks	Dual drift-free hall effect thumbsticks
Finger wheels	Dual trigger wheels
Customisable buttons	11 quick access buttons
Physical kill-switch	Yes, dedicated button + interlock
Haptic feedback	Dual independent haptic motors
Enviromental sensors	Ambient light, temperature
Positioning	GPS + GLONASS + Galileo
Onboard sensors	3D Magnetomerer

CONNECTORS

USB connectivity	USB-C and USB-A 3.0
Display output	HDMI 2.0, 4K@60fps
Storage and SIM	NanoSIM/MicroSDXC combo tray
Expansion	Rear-mounted AtlasHUB module bay
Optional antenna	SMB external antenna connector

COMMUNICATIONS

Primary radio	Atlas ATR-200 (dual chain 2x1W)
Standard (civilian) freq. range	2.4 - 2.4835 Ghz
Full extended freq. range	2.2 - 2.7 Ghz
Frequency hopping	Yes, including smart scan
Primary antenna	Internal 6dB, smart-reflector
Radio range	10 km with internal antenna
External antenna connection	SMB
Mobile data	Optional modem 4G/5G
Wireless radios	802.11 a/b/g/n Wi-Fi, Bluetooth 4.2
Wired comms.	Optional addon Ethernet/SFP modules

ACCESSORIES

Connectivity	Ethernet module
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See AtlasULTRA in the field

Book a live demonstration or talk to our team about pricing and availability.

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