

Intellian

MANPACK

Fully integrated, ruggedized user terminal



– GOVERNMENT
– MILITARY

Designed for rapid deployment, Intellian's Manpack is small and light to fit a standard military rucksack and features one-touch network acquisition for immediate operation even in the most demanding and high-pressure conflict regions. It ensures exceptional durability for personnel on front lines and mission-critical operations.

Intellian's Manpack UT is based on an active electronically scanned array (AESA) optimized to operate on the Eutelsat's OneWeb LEO (low Earth orbit) network.

Exceptional Performance



Based on Intellian's proven AESA architecture, the Manpack delivers exceptional performance with throughputs up to 57 x 10 Mbps. Featuring G/T of 7dB/K and EIRP of 36.6dBW, the Manpack ensures reliable connectivity for COTP and COTM applications from 5 to 130 kph. Performance below 5kph may vary.

Optimized Form Factor



Weighing less than 9kg, this compact fully integrated unit seamlessly fits into a standard military rucksack with its 458 x 358 x 108 mm form factor. The optimized design enables low power consumption, delivering reliable performance for extended periods of time when powered by external batteries, such as the BB-2590.



Durable Design



The Manpack is made to withstand harsh environments with an IP67 rating and is designed to meet the shock, vibe, drop test and environmental profiles as defined in MIL-STD-810H.

Ease of Deployment



With built in automated true north calibration features, Intellian's Manpack supports fast and easy network acquisition. The Manpack also features Resilient GNSS support, enabling the use of Alt-PNT devices with L1 signal to ensure operation in denied environments.



Manpack Technical Specifications

Manpack Unit

G/T	7dB/K at boresight
EIRP	36.6 dBW
FoV	+/- 55°
Dimensions	458 x 358 x 108 mm (18 x 14 x 4.2 in)
Weight	9kg (19.8 lbs)
Power Consumption	125W (Standard) *100W (PSM)
Operating Temp	-30 °C to +55 °C (-22 °F to +131 °F)
Storage Temp	-40 °C to +85 °C (-40 °F to +185 °F)
Ingress	IP67
Downlink Throughput	**57 Mbps
Uplink Throughput	**10 Mbps

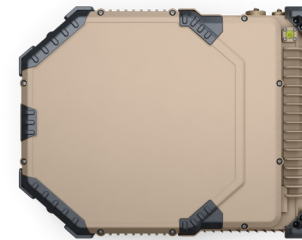
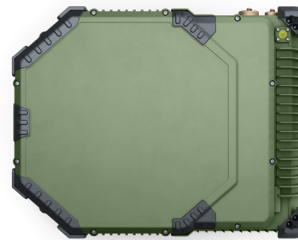
* Power Saving Mode (PSM) is for emergency use case when the life of the battery needs to be extended

**Consult Eutelsat for available Service Plans

Shock + Vibration	IEC 60068 IEC 60945 IEC 60721 MIL-STD-810H (designed to)
Environmental	IEC 60068 IEC 60945 MIL-STD-810H (designed to)

Interfaces

Power	Y cable, compatible w/ BB-2590 battery or AC PSA
Data	GigE RJ45 (Ethernet)
Selector Switch	OFF, Tx MUTE, PSM, ON
LEDs	Power, Network, R-GNSS
Push Button	Overt/Covert mode



We offer both Army Green and Coyote Brown color options to meet diverse operational needs, providing flexibility for various mission profiles and terrain conditions.

What's In The Box

Manpack UT	Mini-Tripod w/ Quick Disconnect
Quick Start Guide	Standoffs w/ Rubber Caps
Y" Power Cable (1.5m)	AC/DC Power Supply Adapter
Ethernet Cable (3m)	RF Hazard Decal

Optional Accessories

Ruggedized Transit Case
Intellian Mounts