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RUGGEDIZED AND LIGHTWEIGHT

# PORTABLE GROUND CONTROL STATION

FLEXIBLE AND UNIVERSAL SOLUTION



**OCTOPUS**

ISR SYSTEMS



## PORTABLE GROUND CONTROL STATION FEATURES:

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UNIVERSAL OFF-THE-SHELF **GROUND CONTROL STATION**



BASED ON FULLY RUGGEDIZED **DELL LATITUDE 7424 RUGGED EXTREME HEAVY-DUTY LAPTOP**



INTEGRATED **HEAVY-DUTY LAPTOP DOCKING STATION**



TWO HOT-SWAPPABLE **LITHIUM BATTERIES**



USER-DEDICATED MODULAR **ELECTRONICS COMPARTMENT**



TWO **12 V POWER OUTPUTS FOR DATALINKS**



COMPREHENSIVE SET OF **CONNECTIONS**



SUPER BRIGHT **17" AND 14" TOUCHSCREEN DISPLAYS**



**10-32 VDC INPUT RANGE**

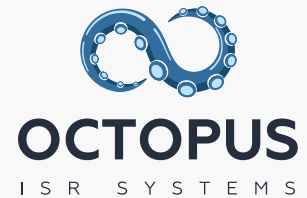


OVERVOLTAGE, OVERCURRENT, REVERSE POLARITY **PROTECTION**



BATTERY OVER DISCHARGE **PROTECTION**

# PORTABLE GROUND CONTROL STATION



MECHANICAL SPECIFICATIONS	
Dimensions	1000 x 420 x 170 mm
Weight (CF-31)	18.9 kg
Environmental protection	IP66 (when closed)
Operating temperature	-20°C to +60°C
Electronics compartment dimensions	320x270x80 mm
Electronics mounting base	M4 threaded mounting grid, 45 mm pitch, aluminum mount kit included
Accessory bag internal dimensions	220x160x70 mm
Case features	Rugged plastic case, side handles, carry handle, wheels, pressure purge valve, shoulder strap (optional)
Computer mounting	Docking
ELECTRICAL SPECIFICATIONS	
DC input	10–32 VDC, overvoltage protection, reverse polarity protection
Battery type	Lithium ion
Battery capacity	108 Wh
Battery operation time	2 hours (typical)
Connections (all routed to Dell Latitude 7424 Rugged Extreme)	2 serial (RS-232), 5 USB, 2 Ethernet, 1 composite video in (IMPERX video device needed), 1 VGA in (optional), 1 microphone in, 1 audio out, PCMCIA slot, HDMI
Connections to 17" display	Composite video (optional), external VGA input (optional)
DC power output 1	12V 5A fused, 50 W
DC power output 2	12V 5A fused, 50 W
Antenna pass-through	Two 50 Ohm antenna pass-through to upper lid. SMA-RP termination, RG 142
COMPUTER SPECIFICATIONS (NOT INCLUDED WITH GCS)	
Model	Dell Latitude 7424 Rugged Extreme
Durability	MIL-STD-810G & IP65 certified (up to 6' drop)
Display type	14", FullHD, touchscreen
Brightness	1000 nits
17" DISPLAY SPECIFICATIONS	
Display type	17 " TFT 1280x1024 (SXGA), optional touch screen
Brightness	1600 nits
Signal source:	Selectable between Dell Latitude 7424 Rugged Extreme Heavy-Duty Laptop and external VGA input (optional)



**GCS WITH OPTIONAL FOLDABLE STAND**

## SYSTEM OVERVIEW



The equipment described herein is subject to export regulations and may require a license prior to export. Imagery for illustrative purposes only. Specifications are subject to change without notice. 10/2020.

## OCTOPUS ISR SYSTEMS

### Europe

Jaunbridagi-1, Marupe, Latvia, LV-2167  
Phone: +371-26321533  
E-mail: [sales@octopus-isr.com](mailto:sales@octopus-isr.com)

### North & South America

2777 NW Lolo Dr, Suite 130, Bend,  
Oregon 97703, USA  
Phone: +1-541-678-0515  
E-mail: [sales@octopus-isr.com](mailto:sales@octopus-isr.com)

[www.octopus-isr.com](http://www.octopus-isr.com)