



L3HARRIS™
FAST. FORWARD.

L3HARRIS 4180-VSM

Mobile SATCOM On-The-Move

ANTENNA/PEDESTAL

Aperture	18 in (46 cm)
Height (radome)	23 in (58.4 cm)
Acquisition	Auto (integrated ACU and IMU)
Elevation	0° to +90°
Azimuth	360° continuous

BAND SUPPORT

X-, Ku-, Ka- mil, Ka- wideband

RF PERFORMANCE (COTM)

	X-	Ku-	Ka- mil	Ka- WB
Transmit (GHz)	7.90 to 8.40	13.75 to 14.50	30.0 to 31.0	29.0 to 31.0
Receive (GHz)	7.25 to 7.75	10.95 to 12.75	20.2 to 21.2	19.2 to 21.2
EIRP (dBW)	40	44.8	47.4	46
G/T (dB/K)	7.7	12.4	12.8	12.0

MODEM INTEGRATION

iDirect 950mp, Comtech, NCW

POWER

DC	28 VDC
Consumption	20A Peak, 15A continuous (OTM), 10A continuous (ATH)

ENVIRONMENTAL

Temperature	Operational: -32°C to +50°C (includes solar effects) Survival: -40°C to +60°C
Wind Loading	100 mph combined (vehicle speed plus wind speed) Assumes proper vehicle integration

QUALIFICATIONS/CERTIFICATIONS

MIL-STD-810F
ARSTRAT (X- & Ka-Band planned)



The L3Harris 4180-Vehicular Shock Mount (VSM) is a complete SATCOM On-The-Move solution featuring the L3Harris FSS-4180-IP antenna and Panther™ II modem chassis. The VSM provides power and RF interfaces between the integrated antenna and modem chassis, allowing quick vehicular dismount and hot jerk-and-run and deployment with the Panther II manpack VSAT. The 4180-VSM supports two-way VoIP, data and streaming video, and delivers reliable tactical military and commercial radio range extension over extreme terrains. This Mobile SATCOM On-The-Move system can be customized to a variety of vehicles and trailers to meet unique customer baseband, modem and power requirements.

Polaris RAZR is just one of many vehicles the GCS-4180 can be mounted on.



PANTHER II
MAN-PORTABLE VSAT

VSM
VEHICULAR SHOCK MOUNT
(not to scale)

SYSTEM FEATURES

- > Multi-band options (X-, Ku- and Ka-)
- > ARSTRAT certified (X-, Ka-)
- > Supports X-, Ku- and Ka-Bands
- > Jerk-and-Run capability
- > Multiple modem platforms
- > Integrated ViewSat-e web-based GUI

APPLICATIONS

- > Command and Control (C2)
- > Military command/control or logistic support communications
- > Deployable Homeland Defense or Emergency Response communications
- > Worldwide remote Internet/VPN connectivity
- > VoIP or Video-Conferencing

JERK-AND-RUN CAPABILITY

- > Dismounted ground operation as a Panther II
- > Common modem chassis
- > Flexible, rugged IP connectivity

RACK MOUNT MODEM OPTION

- > Supports any L-Band modem
- > Shock mounting available
- > Baseband and crypto integration

L3Harris 4180-VSM Mobile SATCOM On-The-Move
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