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L3HARRIS 2026-2027 MISSION SYSTEMS SOLUTIONS CATALOG



2026-2027
MISSION SYSTEMS
SOLUTIONS CATALOG

2026-2027 Mission Systems Solutions Catalog

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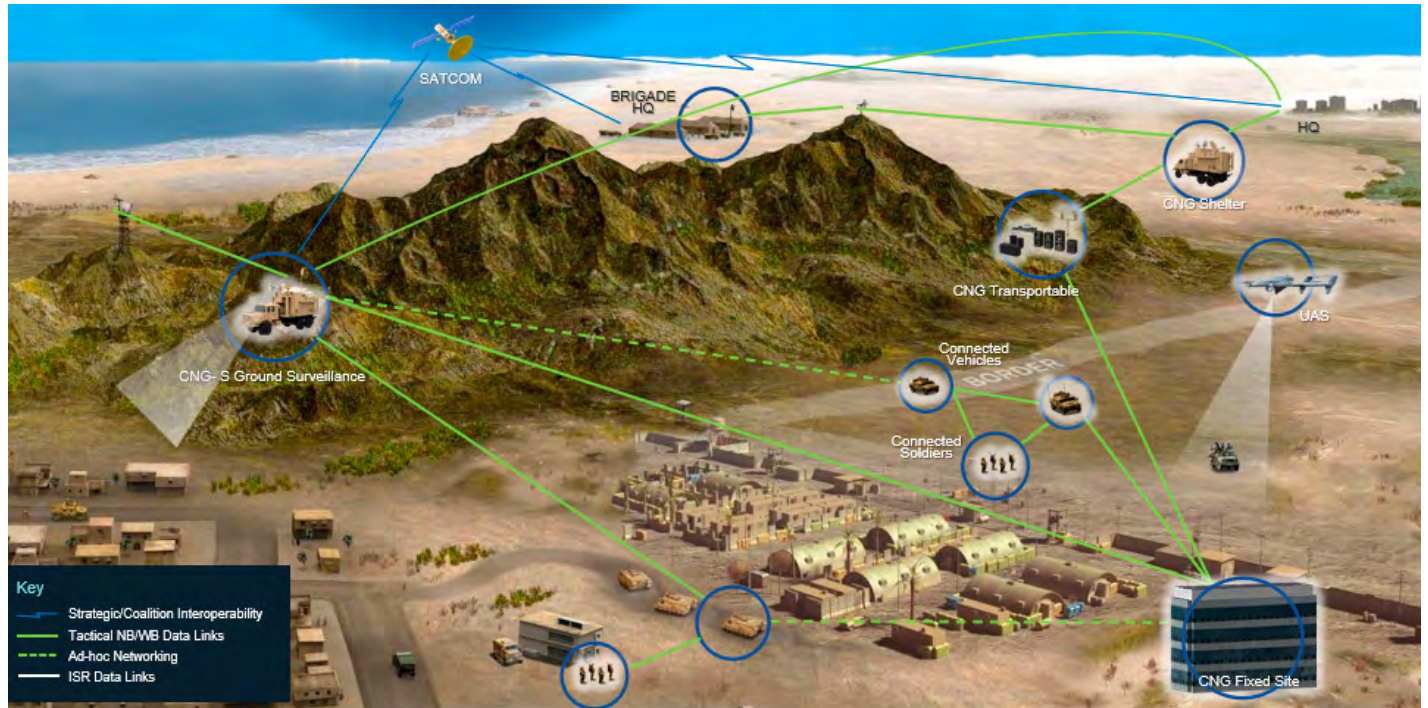
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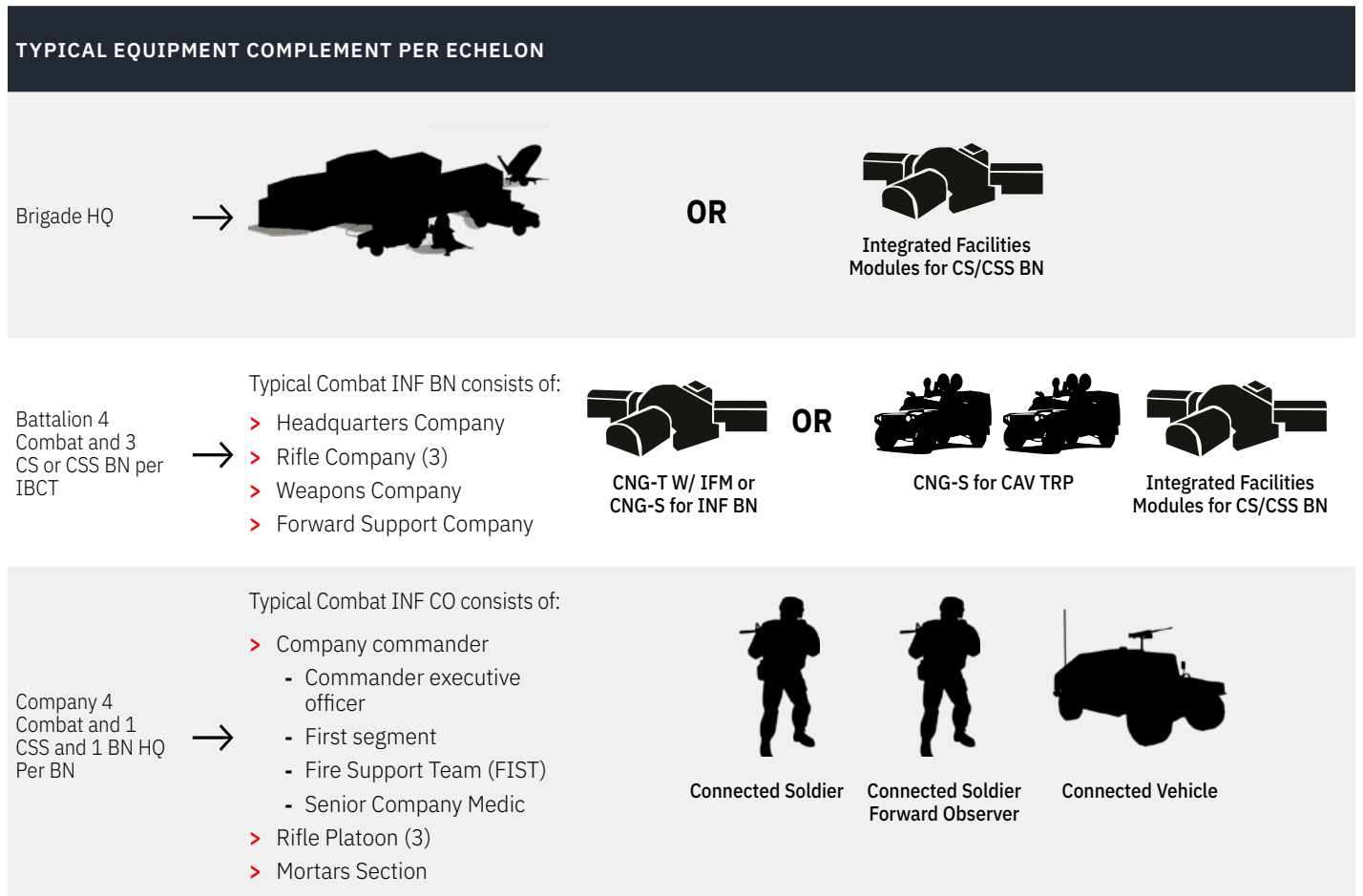
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FULL FUNCTIONAL SYSTEM



TYPICAL EQUIPMENT COMPLEMENT PER ECHELON



C4ISR NETWORK GATEWAY SYSTEMS

CONNECTED NETWORK GATEWAY SHELTER

The C4ISR Network Gateway (CNG) Shelters are self-contained, portable- or fixed-site communications systems, rapidly deployable even in places devoid of any existing high-capacity local and wide area network (LAN/WAN) infrastructure. The flexibility of these systems allows seamless interconnectivity with existing technologies, as well as opportunities for expansion of the network technology to meet specific mission needs of the customer.

C4ISR NETWORK GATEWAY SHELTER



The C4ISR Network Gateway Shelter system, or CNG-S, is an off the shelf solution, providing area communications and data dissemination up and down echelon in a rapidly deployable configuration.

FEATURES

- > All capabilities of the C4ISR Network Gateway in a rapidly deployable shelter
- > Shelter mounts to variety of platforms
- > Scalable, allowing for standalone function or functional with many units tied together using HCLOS radios
- > Pre-configured and tested capabilities
- > PACE (Primary, Alternate, Contingency, Emergency Communications) support provided. Resilient and robust plan that uses product capabilities to keep some level of transmitting and receiving communications through disruptions/challenges
- > Fast delivery
- > Interoperability with existing technologies and waveforms.
- > Simplified and quick set-up
- > Ongoing technical support and training available

Shelter System Part Number Matrix

GS1000 ■ ■ ■ ■

Example:

GS1000S-SI320 shelter Interface kit in green for 7850D
GS1000S-SI350 shelter Interface kit in green for 7850W
GS1000S-SI330 shelter interface kit in green for 7800H
GS1000S-SI570 shelter interface kit in green for Hawkeye 4

PRODUCT CATEGORY	OPTION	
Global Solutions	S	Shelter
Class Type	S	S250
	M	S788
	L	S280
	E	S280E

PRODUCT CATEGORY	OPTION	
Subclass	Shelter	
	T	240 VAC 50/60 Hz System
	S	220 VAC 60 Hz 1P System
	E	208 VAC 3-PH System
Supported Equipment Sets	Shelter	
	XY, X= # of at the hault radios, y = # of on the move radios	
	40	(4) ATH, (0) OTM Radio Sets
	22	(2) ATH, (2) OTM Radio Sets
Color Scheme	0	Green
	1	Black
	2	Tan

PRODUCT CATEGORY	OPTION	
Global Solutions	S	Shelter
Class Type	S	S250
	M	S788
	L	S280
	E	S280E
Subclass	Add-ons:	
	I	Interface Kit <i>Radios sold separately</i>
Supported Equipment Sets	Interface Kit	
	10	AN/PRC-167 (supplied w mounting for 2 PAs)
	11	AN/PRC-152A (50 W)
	12	AN/PRC-163 (hard mount, no PA)
	30	RF-7850M IPA
	31	RF-7850M JAR
	32	RF-7850D
	33	RF-7800H, AN/PRC-160 (150 W)
	34	RF-7850W (OTM)
	35	RF-7850W (ATH)
	50	Rover
	51	Tetra
	52	P25
	53	L16
	54	Panther™ II Small
	55	Panther™ II Large
	56	Hawkeye™ 4 Lite
	57	Hawkeye™ 4
	70	ISR Ground
	71	ISR Maritime
	72	ISR C-UAS
	73	ISR Spectrum Dominance
Color Scheme	0	Green
	1	Black
	2	Tan

CONNECTED NETWORK GATEWAY TRANSPORTABLE SYSTEM



The C4ISR Network Gateway Transportable System, or CNG-T, is an off-the-shelf solution, providing area communications and data dissemination up and down echelon in a rapidly deployable configuration.

FEATURES

- > All functionality of the C4ISR Network Gateway easily transported in T-cases (rugged transportable cases)
- > Modular approach that allows user to only transport what is needed, reducing size and weight of the system
- > Simplified deployment with color coding and central distribution point
- > Pre-configured and tested capabilities
- > PACE support provided. Resilient and robust plan that uses product capabilities to keep some level of transmitting and receiving communications through disruptions/challenges
- > Interoperability with existing technologies and waveforms
- > Simplified and quick set-up
- > Ongoing technical support and training available
- > Transportable SATCOM (requires additional power subsystem equipment)

Type 1 and Type 3 configurations available.

Transportable System Part Number Matrix

GS1000 ■ ■ ■ ■

GS-1000T-BF001 - Black CNG-T

Example:

GS-1000T-BI341 - RF-7850W RDK - contains io panel, cables

GS-1000T-BI301 - RF-7850M RDK - contains io panel, cables

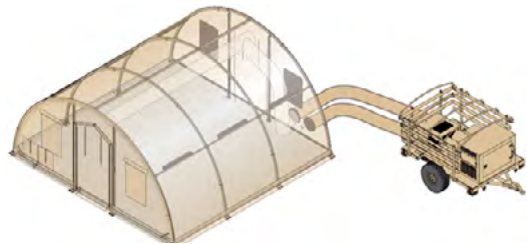
GS-1000T-BI321 - 7800H RDK - contains io panel, cables

GS-1000T-BI321 - Hawkeye RDK - contains io panel, cables, Pelican case

PRODUCT CATEGORY	OPTION	
Global Solutions	T	Transportable
Class Type	B	Base
Subclass	Base	
	S	220 VAC 60 Hz 1P System
	T	120 VAC 60 Hz 1P System
	F	220 VAC 50 Hz 1P System
Supported Equipment Sets	Network	
	10	Commercial Core
	11	Rugged Core
Color Scheme	0	---
	1	Black case, green product
	2	Tan case/product

PRODUCT CATEGORY	OPTION	
Global Solutions	T	Transportable
Class Type	I	Interface Kit
Subclass	Interface Kit	
	R	Rapid Deployment Kit
Supported Equipment Sets	Rapid Deployment Kit (RDK) radios sold separately	
	10	AN/PRC-167 (20 W)
	11	AN/PRC-152A (50 W)
	12	AN/PRC-163 (20 W)
	30	RF-7850M
	31	RF-7850D
	32	RF-7800H, AN/PRC-160 (150 W)
	33	RF-7850W (OTM)
	34	RF-7850W (ATH)
	50	Rover
	55	Panther™ II Large
	56	Hawkeye™ 4 Lite
	57	Hawkeye™ 4
Color Scheme	0	Green
	1	Black
	2	Tan

CNG-T INTEGRATED FACILITIES MODULE



The Integrated Facilities Module is an upgradable option for the CNG-T. It uses the transportable system to allow for unique set up and increased capabilities of the facilities.

UPGRADABLE MISSION-SPECIFIC ADD-ONS

Upgrades extend the capability of the C4ISR Network Gateway systems. Features can be added and combined to create a mission-specific system. Add-ons are ready-to-deploy solutions that can help meet short- and long-term goals of the system.

GROUND SURVEILLANCE OPTION PACKAGE (GSOP)



Integrate and manage additional unattended and soldier-mounted sensors, Electro-Optical/Infra-Red (EO/IR) long-range cameras, ground-based radars and specialized software to detect, track, and confirm targets of interest at borders, high-value targets, or forward battle areas.

FEATURES

- > 360° detection
- > Functional detection day or night
- > Operator acquires target with camera system (“Slew to Cue”)
- > Track, label and dismiss targets
- > Data can be shared to HQ

ADDITIONAL EQUIPMENT

Long-range ground surveillance radar
Electro-optical and infrared (EO/IR) cameras
10-meter mast
Situation awareness and sensor control software
Unattended ground sensors

Optional packages can be added to the CNG Systems to support deployment needs:

- > UAS/V Detect and Mitigate Option Package (C-UAS)
- > Spectrum Dominance Option Package (SDOP)
- > Maritime Surveillance Option Package (MSOP)

CONNECTED VEHICLE SYSTEM

CONNECTED VEHICLE-C2



The Connected Vehicle-C2, or CV-C2 is a complete modular installation and integration package enabling mission specific communications equipment to install into an existing or new vehicle platform.

FEATURES

- > Light wheeled to heavy tracked mobile platform ready
- > Mission-flexible
- > Upgradable – Flexible Building Blocks
- > Communications ready
- > Fast deployment
- > Cost-effective

Connected Vehicle Part Number Matrix

GS1000 

Example:

GS-1000V-MS102 Connected Vehicle System (V) Medium (M) SUV (S), 1 Radio (10), Tan (2)

GS-1000V-MI312 Connected Vehicle System (V), Medium (M), Interface Kit (I) for RF-7850D (31), Tan (2)

PRODUCT CATEGORY	OPTION	
Global Solutions	V	Vehicle System
Class Type	L	Light
	M	Medium
	H	Heavy
Subclass	Light	
	U	UTV (MRZR, DAGOR)
	Medium	
	P	Pickup Truck (Hilux, Rover)
	S	SUV (HMMWV, Land Cruiser)
	Heavy	
	W	Wheeled (Strucker, MRAP)
	F	Tracked (M88, AAV)
	A	APC (M113, M577)
	F	Fighting (MX Abrams, MX Bradley)
Supported Equipment Sets	Core Vehicle Kits	
	10	1 Radio
	20	2 Radios
	30	3 Radios
Color Scheme	0	Green
	1	Black
	2	Tan

PRODUCT CATEGORY	OPTION	
Global Solutions	V	Vehicle System
Class Type	L	Light
	M	Medium
	H	Heavy
Subclass	Add-ons:	
	I	Interface Kit
Supported Equipment Sets	Interface Kit	
	10	AN/PRC-167 (20 W??)
	11	AN/PRC-152A (50 W)
	12	AN/PRC-163 (20 W??)
	30	RF-7850M
	31	RF-7850D
	32	RF-7800H, AN/PRC-160 (150 W)
	33	RF-7850W (OTM)
	50	Rover
	51	Tetra
	52	P25
	53	L16
	54	Panther™ II Small
	55	Panther™ II Large
	56	Hawkeye™ 4 Lite
Color Scheme	57	Hawkeye™ 4
	91	12V Vehicle Hookup
	92	Turret Integration Kit
	0	Green
	1	Black
	2	Tan

CONNECTED VEHICLE-LIGHT



The Connected Vehicle-Light, or CV-L, is an off-the-shelf, highly mobile, vehicle system equipped with mission specific communications equipment. Connected Vehicle System facilitates the transfer and interpretation of multiple data points from the air and land domains, as well as the sharing of information and C2 input across echelons. The military ground vehicle system can be customized for mission-specific requirements and provides strategic network-empowered services. The vehicle can be purchased as part of the system under optional equipment.

FEATURES

- > Mission flexibility
- > Customer customization
- > Reliable and tested software
- > Target identification
- > Data, voice and video communications
- > Long-range connectivity on the move
- > Ruggedized technology
- > Upgradable for long-term use

Connected Vehicle Light Part Number Matrix

GS1000

Example:
GS-1000V-LU102 - Connected Vehicle System (V) Light (L) UTV (U), 1 Radio (10), Tan (2)
GS-1000V-LI312 - Connected Vehicle System (V), Light (L), Interface Kit (I) FOR RF-7850D (31), Tan (2)

PRODUCT CATEGORY	OPTION	
Global Solutions	V	Vehicle System
	L	Light
Class Type	M	Medium
	H	Heavy
Subclass	Light	
	U	UTV (MRZR, DAGOR)
	Medium	
	P	Pickup Truck (Hilux, Rover)
	S	SUV (HMMWV, Land Cruiser)
	Heavy	
	W	Wheeled (Strucker, MRAP)
	F	Tracked (M88, AAV)
	A	APC (M113, M577)
	F	Fighting (MX Abrams, MX Bradley)
Supported Equipment Sets	Core Vehicle Kits	
	10	1 Radio
	20	2 Radios
	30	3 Radios
Color Scheme	0	Green
	1	Black
	2	Tan

PRODUCT CATEGORY	OPTION	
Global Solutions	V	Vehicle System
Class Type	L	Light
	M	Medium
	H	Heavy
Subclass	Add-ons:	
	I	Interface Kit
Supported Equipment Sets	Interface Kit <i>Radios not included</i>	
	10	AN/PRC-167 (20 W??)
	11	AN/PRC-152A (50 W)
	12	AN/PRC-163 (20 W??)
	30	RF-7850M
	31	RF-7850D
	32	RF-7800H, AN/PRC-160 (150 W)
	33	RF-7850W (OTM)
	50	Rover
	51	Tetra
	52	P25
	53	L16
	54	Panther™ II Small
	55	Panther™ II Large
	56	Hawkeye™ 4 Lite
	57	Hawkeye™ 4
	91	12V Vehicle Hookup
	92	Turret Integration Kit
Color Scheme	0	Green
	1	Black
	2	Tan

CONNECTED SOLDIER SYSTEMS

TACTICAL DISMOUNTED SOLDIER SYSTEMS

L3Harris Connected Soldier systems are self-contained, personal C4ISR systems, configured for general use or mission-specific needs. The systems seamlessly interconnect soldier small teams, supporting forces and dismounted commanders. The systems support bandwidth-heavy applications like video teleconferencing, streaming video and battlefield management technologies, such as hC2, designed to enhance situational awareness and unit collaboration. Connected Soldier systems can radically transform how successful and survivable soldiers and teams can be.

FEATURES

- > Tested compatibility of solution configurations
- > Customizable options available
- > Allows individual soldiers to become IP-based JTAC or ISR asset
- > Standardized configurations to reduce training and costs

- > Rapid intelligence gathering
- > Upgradable for future usage
- > Position location information
- > Enhanced coordination and mission understanding (TacChat)
- > Easily technology monitor with WebUI
- > Bridge networks route data
- > Video data sharing capabilities
- > Improved lethality, survivability

CUSTOMIZABLE VARIANTS

Soldier Systems can be designed based on customer requests and mission-specific goals. Different products can be selected by the customer based on preference and required performance. A select number of configurations have been tested and verified for functionality, while other new requests will include costs for such testing. There are different levels of soldier systems based on soldier's role within the squad and mission at hand. Different levels and products are shown and other purchase requests can be met.

Below, five configurations of soldier systems are shown, **offerings are NOT limited to these examples**. Other system variants can be designed to meet requirements. Products are shown in the equipment list.

Squad Member Configuration

Headset, EUD, radio



Squad Member Configuration

Headset, EUD, radio, mission module



JTAC Configuration

Headset, EUD, TNR, radio, hub, conformal battery



Drone Operator Configuration

Headset, EUD, TNR, radios, hub, conformal battery, camera, drone



Commander Configuration

Headset, EUD, dual radios, hub, conformal battery



Connected Soldier Part Number Matrix

GS1000

Example:

GS-1000P-AA100: Soldier system (P) with no connector (A) Wireless (A) with a S23TE (10) Green (0)

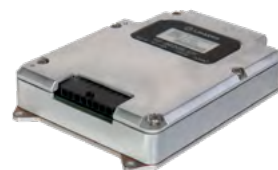
GS-1000P-AI330: Soldier system (P) with no connector (A) Interface kit (I) 9820s Radio (33) Green (0)

PRODUCT CATEGORY	OPTION	
Global Solutions	P	Personnel System
Connector Type	A	No Connector
	B	Nett Warrior
	C	Nett Warrior +
	D	L3Harris
	E	Inviso Non-ADP
	F	CC04
Model	No Connector	
	A	Wireless
	Net Warrior	
	B	Starpan 2
	C	Starpan 6
	D	Inviso H Series
	K	Fischer Keystone 4 port
	L	Fischer Keystone 6 port
	Net Warrior +	
	E	Tomahawk KXM
	L3Harris	
	F	PicoHub 1
	G	PicoHub 2
	CC04	
	I	Inviso V60 ADP
	Inviso Non-ADP	
	M	V10II
	N	V20II
	O	V50II
	P	V60II
Supported Equipment Sets	Patrol Kits	
	00	No EUD
	10	S23TE EUD
	11	Tab Active5 TE EUD
Color Scheme	0	Green (*or color choice N/A)
	1	Black
	2	Tan
*Color choice not available, use color scheme code=0		

PRODUCT CATEGORY	OPTION	
Global Solutions	P	Personnel System
Connector Type	A	No Connector
	B	Net Warrior
	C	Net Warrior +
	D	L3Harris
	E	Inviso Non-ADP
	F	CC04
Subclass	Add-ons:	
	I	Interface Kit
Supported Equipment Sets	Interface Kits <i>Radios not included</i>	
	10	AN/PRC-167 (20W??)
	11	AN/PRC-152A (5W??)
	12	AN/PRC-163 (5W??)
	30	RF-7850M
	31	RF-7850S
	32	RF-7800H, AN/PRC-160 (20W)
	33	RF-9820S
	50	Rover
	51	Tetra
	52	P25
	53	L16
	60	Starpan Power Booster
	61	RF-2525/U (Conformal Battery)
	62	7.0 Ah Li Ion Handheld Battery (Falcon 2&3)
	63	7.0 Ah Ion Handheld Battery (Falcon 3&4)
	64	7.6 Ah Li Ion Handheld Battery (Falcon 3&4)
	65	BB-2590/U (Manpack Battery)
	70	Mohoc Cam
	71	Bullet Cam
	72	Night Vision Goggles
	80	3M Headset (RF-3014-HS026)
	81	Inviso M3S
	82	Inviso X5
	83	Inviso T5
	84	Inviso T7
	85	Inviso T30
	90	SkyDio Drone
Color Scheme	0	Green (*or color choice N/A)
	1	Black
	2	Tan

EMBEDDABLE PRODUCTS

RF-9820S-ER



The single channel RF-9820S-ER Embeddable Modular Radio delivers robust voice and data capabilities for missions on the move. This multi-mission solution gives warfighters the flexibility of tactical MANET control for Group 1+ UAVs.

KEY BENEFITS

- > Maintain network integrity in congested and contested environments with resilient Wraith™ waveform
- > Easy-to-use, integrate and upgrade using provided programming tools and commercial connectors
- > Interoperable with fielded L3Harris FalconIV® radios; allows for UAV control through fielded radios
- > Software Defined Radio capable of being field-upgraded and storing multiple waveforms
- > Designed to easily integrate into a wide variety of Group 1+ UAV platforms
- > Low SWaP

RF-9800W-E



Packed with new innovations, the RF-9800W-E unleashes next-gen battlespace connectivity, moving data and C2 from air to ground and back faster, easier and more resiliently. The RF-9800W-E changes the game for robust, MIMO wireless broadband connectivity and control for Group 2+ UAVs.

KEY BENEFITS

- > Send and receive more data, faster with Ethernet data rates over 300 Mbps
- > Maintain comms integrity in congested and contested environments
- > Clear, detailed, real-time ISR
- > Full mesh MANET for instant infrastructure and flexible, self-healing coverage
- > Autonomous network scalability and optimization
- > Radio-family agnostics — can pair with any IP-capable radio
- > Designed to easily integrate into a wide variety of Group 2 UAV platforms
- > Low SWaP

RF-7850A-ER

Designed for unmanned and airborne missions, the RF-7850A-ER provides resilient connectivity to Group 1+ low-payload UAVs. This embeddable radio delivers advanced Intelligence, Surveillance and Reconnaissance (ISR) and communications relay capabilities with resilient, high-speed data and video transmission for improved Situational Awareness (SA) and decision making.

KEY BENEFITS

- > Provides high-speed networked data and video via 4Mbps Video TDMA Networking Waveform (V-TNW)
- > Fulfills evolving mission needs for ISR, long range c2 support and joint operations with ground troops
- > Available with resilient, anti-jam Vanguard™ and Vapor™ waveforms
- > Improves and expands battlefield communications with an interoperable airborne relay mode
- > Based on combat-proven L3Harris Falcon III® technology
- > Full compatibility with legacy narrowband
- > Designed to easily integrate into a wide variety of commercially available Group 1 UAS
- > Low SWaP

SYSTEM ACCESSORIES**COUNTRY WIDE REPEATER SYSTEM (CWRS 1.0)**

A country wide repeater network extends the range of the RF-7800V/ RF-7850M and RF-7850A network with intelligent retransmission of radio traffic including voice, data, SMS, SA, and directed calling. The system is scalable and compatible with existing network infrastructure, the solution provides coverage for fast-moving teams to 'roam' across vast areas without losing connectivity.

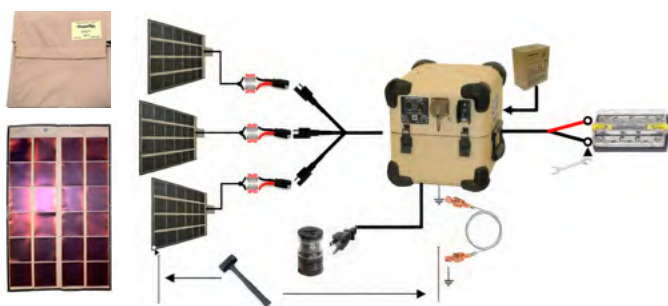
FEATURES

- > Support for High Speed Backbone; RF-7800W or Fiber Optics
- > Directed Calling
- > IP Data
- > PTT Broadcast voice
- > GPS position reporting and BMS tracking
- > SMS
- > Outstation mobility/Auto registration
- > SIP based telephony integration
- > Dispatch manager
- > Support for up to 1,000 outstations

TACTICAL SOLAR POWER SYSTEM VARIANTS

The systems were developed for man portable and vehicular mobile applications. The system comes with 6 lithium-ion batteries (BT-70791JV). The system is equipped integrated MPPT Solar controller (between 12 and 24 solar arrays), an AC input for battery charging and Power supply DC output, integrated power management system, single On/Off operations with easy-to-read power and capacity status, hot swapping ability, rugged assembly closure with multiple MIL-STD ratings.

1.8kW TACTICAL SOLAR SYSTEM, SOFT PANEL (11453-2000-01)



FEATURES

- > Single-user Portable Solution
- > Lightweight (6 lb. panels, 65 lm. system)
- > Low luster for low reflection
- > Can be positioned based on sunlight positioning
- > Power output is 360 W at 32 V (11.25 A)

Soft Panel System includes:

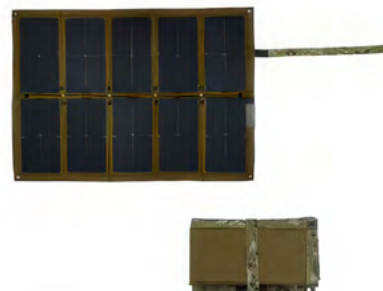
BREN-TRONICS		QTY
A30-0734-011	1.8 kWh BB-2590/U Based Portable Power System	1
A30-0757-002	Solar input cable for 3-panel	1
A30-0734-005	24V DC 6-pack output cable with ring lugs	1
A30-0734-007	BTA-70864-6-pack AC input cable with US Plug2	1
BT-70791JV	BTE-70791JV 10.3 Ah high cap high perf Li-ion battery	6
Powerfilm		QTY
A30-2196-001	Solar panel foldable 120 W, 30 V, 3.6 A	3

KIT		QTY
E55-0016-001	Conn splice coolsplice 16/18 to 16/17 AWG sealed	8
W90-0329-072	Cable assy, 50-00550 SAE to blunt cut 16 AWG 72 in	3
Z15-6030-023	Duel bus bar, 2 5/16 in stud, 5 10-32 screw. 150A	1
A10-0364-001	Universal vac plug adapter	1
A30-2197-001	Ground anchor stakes 5/8 x 12 in steel	13
Z90-0078-012	Hammer. dead blow	1
Z90-0169-105	Wrench, open-end, thin, 5/16 x 3/75 in long	1
Z90-0475-001	Grounding wire W/2 alligator clips 3 ft	1
11453-2000-01	1.8KW tactical solar system, soft panel	1

Also available with a hard tactical panel configuration.

RF-5917-CH063 (60W CHARGER)

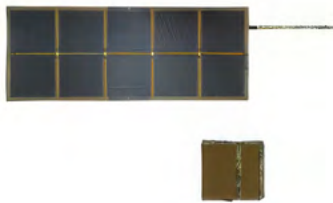
The 60-watt solar-energized power generator for mobile power needs. The charger is an excellent choice for applications that require lightweight, flexible and durable silent power. There is low glare and visibility of the solar panel surface. It is impact resistant and puncture tolerant, and has partial shading tolerant. The product is CE Compliant.



FEATURES

- > Dimensions:
 - Folded length: 11.75 in (298.5 mm), width: 7.25 in (184.2 mm), height: 2.5 in (63.5 mm) TYP
 - Unfolded length: 32 in (812.8 mm), width 23.13 in (587.5 mm) TYP
- > Weight: 2.65 lbs (1.2 kg) max
- > Power to weight ratio 23 w/lbs (50 w/lb)
- > Open circuit voltage at MPP 21.5V
- > Nominal voltage at MPP 21.5V
- > Nominal current at MPP 3.0A
- > Operating temperature -32°C to +71°C (-25°F to +159.8°F)
- > Recommended storage temperature -32°C to +71°C (-25°F to +159.8°F)

RF-5917-CH123 (120W CHARGER)



FEATURES

- > Dimensions:
 - Folded length: 12.5 in (317.5 mm), width: 12.5 in (317.5 mm), height: 2.5 in (63.5 mm) TYP
 - Unfolded length: 58.8 in (1493.5 mm), width: 24.4 in (619.8 mm) TYP
- > Weight: 6 lbs (2.72 kg) max
- > Power to weight ratio: 20 w/lbs (44 w/kg)
- > Open circuit voltage: 28.0 V
- > Nominal voltage at MPP: 21.5 V
- > Nominal current at MPP: 6.0 A
- > Operating temperature: -40°C to +90°C (-40°F to +194.0°F)
- > Recommended storage temperature: -40°C to +90°C (-40°F to +194.0°F)

SOLAR BATTERY CHARGERS

SOLAR BATTERY CHARGER - HANDHELD



RF-5903-CH00X

The RF-5903-CH00X is a tactical solar charger for use with L3Harris 12041-2X00-0C Li Ion handheld batteries. Designed for fast, convenient battery charging, the unit is ruggedized to withstand outdoor conditions. It includes a 34-watt solar panel, interconnect cable, four stakes and carrying case.

COLOR OPTIONS AVAILABLE	
RF-5903-CH001	Traditional camo
RF-5903-CH002	Desert camo
RF-5903-CH003	Digital camo

SOLAR BATTERY CHARGER — MANPACK

RF-5904-CH00X

The RF-5904-CH00X is a tactical solar charger for use with L3Harris BA-2590/U and BB-390B/U lithium-ion manpack batteries. Designed for fast, convenient battery charging, the unit is ruggedized to withstand outdoor conditions. It includes a 57-watt solar panel, interconnect cable, four stakes and a carrying case.

COLOR OPTIONS AVAILABLE	
RF-5904-CH001	Traditional camo
RF-5904-CH002	Desert camo
RF-5904-CH003	Digital camo

SOLAR BATTERY CHARGER — SPR

RF-5905-CH00X

The RF-5905-CH00X is a tactical solar charger for use with L3Harris 12055-2105-02 Li Ion SPR batteries. Also works with the TVP and RF-7400E-CV00X.

COLOR OPTIONS AVAILABLE	
RF-5904-CH001	Traditional camo
RF-5904-CH002	Desert camo
RF-5904-CH003	Digital camo

BATTERY CHARGER	STYLE	COLOR	BATTERIES SUPPORTED	NUMBER OF BAYS	CHARGE TIME	BATTERY CONDITIONING	INPUT POWER	INCLUDES
RF-5903-CH00X	Handheld battery solar charger, soft case	Traditional camo (CH001), Desert camo (CH002), Digital camo (CH003)	12041-2X00-0X	1	Dependent on sun	No	34 W Solar	Tactical charger, 34-watt solar panel, interconnect cable, carrying case, stakes (4) and operator car
RF-5904-CH00X	Manpack battery solar charger, soft case		BB-2590/U, BB-390B/U	1	Dependent on sun	No	57 W Solar	Tactical charger, 57-watt solar panel, interconnect cable, carrying case, stakes (4) and operator car
RF-5905-CH00X	SPR™ battery solar charger, soft case		12055-2105-01	1	Dependent on sun	No	34 W Solar	Tactical charger, 34-watt solar panel, interconnect cable, carrying case, stakes (4) and operator car

ANTENNA COUPLER SYSTEM – HF UPGRADE

RF-5382H-TM001



Case-1 contains the antenna coupler, ruggedly mounted on a removable tray. A whip antenna mount is located on the coupler tray. Case-2 is used to store the control and coax cable assemblies that interface to the radio system. See RF-7800H-TM001, TM002 and TM004 for larger system solutions.

The RF-5382H-TM001 includes:

PRODUCT NUMBER	PRODUCT NAME	QTY
RF-5382H-CU001	Antenna coupler	1
12020-1460-A250	Control cable, 250 ft (~76.2 m)	1
10181-9824-250	Coax cable, 250 ft (~76.2 m)	1

Case-1:

Weight: 20 lbs (~9 kg)

Dimensions: 22.5 W x 22.5 D x 14.5 H in (~57.2 W x 57.2 D x 36.8 H cm)

Case-2:

Weight: 20 lbs (~9 kg)

Dimensions: 22.5 W x 22.5 D x 24.5 H in (~57.2 W x 57.2 D x 62.2 H cm)

ANTENNAS

VHF LOW-BAND BICONE ANTENNA



RF-290-AT420

The RF-290-AT420 is an easily-assembled, transportable omnidirectional antenna designed for broadband operation from 30 to 88 MHz, usable up to 108 MHz with degraded performance. This antenna has 350 watts output power and is used for extended line-of-sight (LOS) range.

FEATURES

- > Collapsible mast, 33 ft. (~10 m)
- > Coaxial cable with BNC connectors, 80 ft. (~20 m)
- > Ground stakes
- > Mounting base
- > Guy assemblies
- > Hammer, canvas bag and instructions

TRANSPORTABLE DUAL-BAND ANTENNA/MAST SET

RF-3193DB-AT420

The RF-3193DB-AT420 is a transportable 30 to 512 MHz dipole antenna with 75 watts maximum power. The antenna connects to the low-band port of the AN/PRC-117G via a TNC-style connector using the included cables.

TRANSPORTABLE ANTENNAS – VHF, UHF				
RF-3193TB-AT420	RF-300-TV, AN/PRC-117G, AN/PRC-158	10 ft. (~3 m)	Mast/antenna set	Dual band, 30-88 and 108-512 MHz
RF-3193DB-AT520	RF-300-TV, AN/PRC-117G, AN/PRC-158	33 ft. (~100 m)	Tripod antenna set	Dual band, 30-88 and 108-512 MHz
RF-3193TB-AT420	AN/PRC-117G, AN/PRC-158	10 ft. 4 in. (~3 m) with mast	Tripod antenna set	30 MHz-2 GHz
RF-3193TB-AT520	AN/PRC-117G, AN/PRC-158	33 ft. 8 in. (~10 m)	Tripod antenna set	30 MHz-2 GHz

DUAL-BAND TRIPOD ANTENNA SET

RF-3193DB-AT520

The RF-3193DB-AT520 is a transportable 30 to 512 MHz dipole antenna operable at a maximum power of 100 watts. The antenna connects to the low-band port of the AN/PRC-117 via TNC-style connector using the included cable. It can be mounted using the included tripod and mounting hardware. The antenna does not require a ground-plane. It weighs less than 45 pounds (~20 kilograms and stores in the included Cordura bag.

TRANSPORTABLE TRI-BAND ANTENNA/MAST SET1



RF-3193TB-ATX20

The RF-3193TB-ATX20 is a transportable 30 to 2000 MHz dipole antenna with 100 watts maximum power. The antenna connects to the low-band port of the AN/PRC-117G via a TNC-style connector using the included cables. It can be mounted and elevated using the tripod, mast and mounting hardware included in the kit. The antenna does not require ground plane and stores in the included Cordura bag.

RF-3193TB-AT420 includes a 27-foot telescoping mast
RF-3193TB-AT520 excluding mast (tripod only)

TRANSPORTABLE ANTENNA

RF-3193EX-AT420 Green with mast and tripod

RF-3193EX-AT424 Tan with mast and tripod

RF-3193EX-AT520 Green with tripod

RF-3193EX-AT524 Tan with tripod

The RF-3193EX is the next generation of transportable antenna with improved gains and better radiation patterns than its successors. When compared to current antenna offerings, the RF-3193EX improves gain by over 2 db per band and adds the ability to utilize the high bands from 30-2600 MHz. Each antenna comes with an improved tripod base offering improved support when the antenna is utilized in tripod mode.

HANDHELD ANTENNA WITH FLEX BASE



12006-2800-01

The 12006-2800-01 is a ruggedized lightweight dismount 30 to 870 MHz antenna for use with the AN/PRC-152A and AN/PRC-163 radios. The antenna is 14 inches (35.5 centimeters) in length and connects directly to the RF connector on the Transceiver with a TNC connector. It can be used with common VHF and low band UHF waveforms. The antenna assembly incorporates a bidirectional folding blade, and a flexible matching circuit construction that can be flexed on 90° in any direction around the center radius. Both the folding blade and matching circuit return to their original position when released. This flexible matching circuit reduces stress on the user when the radio is worn by moving with the user's body, without a rigid base that would resist movement.

VHF FOR DISMOUNTED SOLDIER (MAN-PORTABLE)

VHF DISMOUNT SOLDIER ANTENNA

RF-3161-AT001 (152A, 7850M)



RF-3161-AT001

The VHF Dismount Soldier Antenna is a self-contained antenna that attaches to the RF-7800V-HH radio via a 3.3-foot (~1-meter) coaxial cable. The antenna is a 69-inch (~180-centimeter) flexible gooseneck and flexible blade antenna with a sophisticated matching circuitry to allow the full 30 to 108 MHz range. It is designed for users requiring communication ranges with the RF-7800V-HH approaching that of a 10 watt manpack radio.

This ergonomic antenna comes with clamps to attach to the standard web gear or rucksack and conforms to and moves with the body. The Soldier Antenna can be used in a low-profile mode, increasing mobility for urban combat but decreasing range. It can also be elevated in to a tree or other structure for extended range when required. Accessories are listed in the chart below. Color: Black.

12006-2425-01 ELEVATION KIT
FOR ANTENNA

MULTIBAND DISMOUNT SOLDIER ANTENNA

RF-3162-AT001

The Multiband Dismount Soldier Antenna is very similar to the VHF version, except it has a wider frequency band - 30 to 512 MHz - for compatibility with the AN/PRC-152A radios. This 65-inch (~170-centimeter) antenna has three gooseneck sections and a flexible blade with several sophisticated matching circuits along its length. It is designed for multiband handheld radio users who require communication ranges approaching those of a 10 watts manpack radio.

This ergonomic antenna conforms to and moves with the body. It comes with clips to attach to standard web gear or rucksack and can be used in low-profile mode where the gooseneck and blade conform to the body, decreasing range but increasing mobility for urban combat. The antenna can also be elevated into a tree or other structure for extended range when required. Color: Black.

RF-3171-AT001

The RF-3171-AT001 conformal dual band antenna is suitable for frequencies from 225-450 and 1,200-2,600 MHz. A 36 inch cable with two right angle TNC plugs links the antenna to the R/T TNC antenna jack of the radio. See 10515-7011 Operator Card for more information.

ELECTRICAL	
Frequency Range	870 MHz to 2600 MHz
RF Power Capacity	6 watts
Impedance	50 ohm (nominal)
Radiation Pattern	Omnidirectional in azimuth when measured at the horizon
Polarization	Linearly polarization which is aligned with the antenna axis
VSWR	Less than 3.0:1 for 95% of each band, relative to 50 ohms
Gain	Average peak power gain > 0 dBi from 870-2600, with a minimum level of -2dBi

MECHANICAL	
RF Connector	SMA Straight Plug
Total length	~10.36 (~26.314 cm)
Max width	~0.95 in (~2.413 cm)
Antenna weight	~0.2 (~5.67 g)

ENVIRONMENTAL	
Designed to be installed into and conform to many different sUAS and UxV needs	

NANTENNA LOW PROFILE UHF TACSAT
220-380 MHz



By integrating revolutionary materials, we are able to crush traditional expectations that high gain antennas need to be large! Mount this antenna on the roof of your vehicle with easy-to-use magnet feet or rack mounting.

ELECTRICAL	
Frequency Range	220-380 MHz
Polarization	RCHP
Impedance	50 ohm
Gain	6+dBic
Power	100w continuous, 200w blasts

MECHANICAL	
Dimensions	18 x 18 x 2.5 in.
Ground plane	Built in
Connector	Type N (female) or TNC (female)
Attachment	Magnet feet or rack mounted
Flange	Bottom

CAMERAS

BASIC HELMET CAMERA

11385-1310-010



This is the basic camera offering attached to a soldier helmet as part as the dismounted soldier system configuration. The camera is used to generate live video feeds utilizing a smart hub, like the KXM or picoHUB for data processing and transmission over a handheld radio. The camera is a full HD USB camera, with high sensitivity, high performance, and gives full HD image pixel. It is available in three different models with various capabilities.

FEATURES

- > Various frame rates, lens, sizes and output formats based on model type
- > 1/2.7 inch image sensor
- > Progressive scanning
- > 3µm x 3µm pixel size, 5856µm x 3276µm image area
- > USB power source, DC 5 V
- > 350mA power current
- > Windows (7/8), Linux (kernel 2.6.27 or later), and Android OS

MOHOC 2 IP2 NW CAMERA



**MOHOC® & MOHOC IR®
CAMERAS**

FEATURES

- > Back illuminated pixels for ultra-low light (1/2.8" sensor)
- > Auto adjustment for optimal recording in low light
- > 0.006Lux at F2.0
- > 120° Field of View, manual rotation up to 190°
- > Progressive Scanning System
- > Drop, temperature and water tested
- > Low SWaP
- > Curve-lock technology for secure attachment to helmet or helmet cover
- > MOHOC Ethernet to USB cable for connecting with radios

GS TECH FALCON CAMERA



A rugged 4k IP H.265 camera that can be connected directly to helmets. Falcon camera supports dual stream encoded video, and can be added as an accessory to other system solutions.

FEATURES

- > 1080p max resolution
- > Low SWaP
- > Custom designs available
- > Low bandwidth
- > 1.5 W power consumption
- > 50 Kbps-12 Mbps
- > Motion detection and face recognition
- > Low latency

SITUATIONAL AWARENESS GOGGLE

ENHANCED NIGHT VISION GOGGLE-BINOCULAR (ENVG-B)

11385-1088-01



The ENVG-B incorporates RTA capabilities to the goggle, enabling soldiers to see around corners and behind cover without risk of exposure while targeting. This gives soldiers the ability to identify, assess and engage a target with greater accuracy and speed.

FEATURES

- > Increased mobility
- > Enhanced vision in degraded battlefield conditions
- > Improved accuracy
- > Decreased target engagement time

ADDITIONAL FEATURES FOR THE SOLDIER

- > Objective focus 18 inches to infinity
- > Diopter eyepieces that allow use by soldiers with differing visual acuity
- > FPAs fused with I² for left or right eye configurations
- > Auto-off when stowed and resumes power when deployed
- > Infrared illuminator

BNVD-FUSED



BNVD-Fused is a dual-waveband, helmet-mounted goggle engineered to significantly improve operator Situational Awareness, targeting and identification over standard night vision goggles.

FEATURES

- > Superior low-light Night Vision capabilities
- > Standard BNVIS mount for maximum flexibility with helmet-mounting hardware
- > Gen III white phosphor technology
- > Auto OFF when stowed; resumes power when deployed
- > Objective focus adjustment from 9.8 inches (25 cm $\pm$ 3 cm) to infinity

ADDITIONAL FEATURES FOR THE SOLDIER

- > Monocular option supports dominant and non-dominant eye
- > Gen III I2 tubes with auto-gated technology prevents damage in high-light environments
- > Twin tube design provides greater protection against failure or damage versus single-tube devices
- > Auto-off when stowed and resumes power when deployed

COMPACT MULTI-NODE DIGITAL OVERLAY (CMNDO)



CMNDO is an in-line system that provides augmented reality enhancements for BNVD-Fused night vision and thermal imaging systems. It is available either as a sub-component of a new BNVD-Fused system or as a separate accessory. CMNDO uses a fused battery pack for power.

FEATURES

- > A commercial ultra-wideband (UWB) connection links the on-body system to the goggles
- > Position location information (PLI) is transferred from ATAK to the goggle's color display
- > External video feeds can be displayed on the goggles in either picture-in-picture (PiP) or full screen (FS) mode
- > The system supports network connectivity when used with tactical radios
- > Users can select from various display options in the menu
- > The display includes MIL-STD-2525D AR icons

ON-THE-MOVE KITS

DISTRIBUTED TACTICAL OPERATIONS KIT (DTOK)

12006-2200-01



The scalable platform supports a large variety of C5ISR solutions including LOS, SATCOM, mobile ADHOC networking (MANET), and can integrate with existing networking infrastructures and equipment. The DTOK can be used in tactical operation centers (TOC), aircraft and vehicles. Radio over IP (RoIP) seamlessly integrates radio systems with IP networks to provide secure and efficient communication, enhancing interoperability and mission-critical coordination on the battlefield.

CONTINGENCY COMMUNICATIONS KIT (CCK)

12206-2100-01



A next-generation modular box specifically designed for Tactical Combat Control applications at the forward edge, which seamlessly integrates with fielded digital aided Close Air Support (CAS) systems. The box leverages the smallest form factor available on the market while still maintaining core capabilities that are needed for today's modern battlefield. Interchangeable sleds can be installed in the box to allow for any configuration of equipment. Sleds are easily removable and are measured in "U", or units. The CCK has 4U of space. The sled system allows for maximum customization for specific operational needs.

PA BOX

12206-2300-01

**FEATURES**

- > Based on Pelican 1560 Case with Collapsible Handle and Wheels
- > External Connections:
 - 4 x RF Outputs (Per Amp)
 - 2 x RF Inputs (Per Amp)
 - 1 x Control Cable Input (Per Amp)
 - 1 x 120 VAC input (Per Case)
 - 1 x 28 VDC input (Per Case)
- > Power:
 - Requires input of either 85-270 VAC / 47-440 Hz or 12-36 VDC to operate.
 - Includes 20A AC and 50A DC breakers

SERVERS**MILDEF MOBILE COMMAND GATEWAY SERVER**

Tier 1/2 (CS2216)



A powerful rugged server that is designed to host tactical applications optimized for L3Harris radio networks. These applications are mission critical, providing commanders with a real time view of the battlefield while operating in a combat environment. The unit is available in multiple colors to suit the specific environment.

FEATURES

- > Low SWaP
- > Flexible mounting
- > Military-relevant rugged design
- > 2.0 GHz Intel Xeon 9th Gen E-2276ML
- > 32 GB DDR4 ECC RAM
- > Support for 2 x 480GB or 2 x 960GB removable disks in caddy (not included)
- > No internal disk
- > TPM 2.0
- > 6x 1000BASE-T switched ports
- > 18-36 VDC

MILDEF MOBILE COMMAND GATEWAY SERVER

TIER 3 (CS2216)



A powerful rugged server that is designed to host tactical applications optimized for L3Harris radio networks. These applications are mission critical, providing commanders with a real time view of the battlefield while operating in combat environments

FEATURES

- > Small form factor
- > 2.0 GHz, Intel Xeon 9th Gen, E-2276ML
- > 64 GB ECC RAM
- > RAID 1
- > TPM 2.0
- > 8x 1000BASE-T switched ports
- > 12-36 VDC
- > LTE and WIFI

JUGGERNAUT ACCESSORIES**VELOX ECOSYSTEM**

Some of the key challenges for EUD management are cumbersome connections, vulnerable USB-C components, and slow methods for charging and provisioning devices. The VELOX Ecosystem solves these challenges by offering a scalable, modular system that users can customize for their specific tactical comms configuration.

OPRTR CASE**FEATURES**

- > Combodded for drop protection and grip
- > Top-load, hinged/latched door for added security and quick access
- > Sealed door with hinged access to USB-C port
- > Compatible with Juggernaut QD Cables
- > Screen protection compatible
- > Tactile buttons for gloved use
- > Secure mounting tabs that lock into Juggernaut Case mounts
- > Lanyard attachment points
- > Drop and shock tested, beyond MIL-STD 810H and MIL-STD-202

Available models: Galaxy S20, Galaxy S22, Galaxy S22 Ultra, Galaxy S23, Galaxy S25,

Galaxy S26 (available late 2026), XCover6 Pro, XCover7, XCover7 Pro, Tab Active 5

CABLES



FEATURES

- > Rugged quick disconnect (QD) cable ecosystem designed for power and data integration with Juggernaut.Case OPRTR model cases
- > QDPD Cable: Data host and power sink with Nett Warrior 6-pin or ODU 12-pin termination options
- > QDC Cable: External charging with standard commercial USB-C termination
- > Overmolded QD end provides IP68 sealed connection to EUD port when installed
- > Shielded end to end for maximum EMI protection
- > Rugged grade cable with cycle tested overmolded strain relief
- > Other data/power options available

MOUNTS

Juggernaut.Case mounting solutions provide secure, hands-free access across body-worn and vehicle applications. Available options include:



- > Armor.Mount for Plate Carrier (standard and inductive charge options available)
- > Vehicle.Mount compatible with RAM Mount hardware (standard and inductive charge options available)
- > Belt.Mount
- > Forearm.Mount
- > Tablet mounts (Armor.Mount for plate carrier, Vehicle for RAM interface, and Aviator Kneeboard options available)
- > Device-specific sizing and low-profile retention keep the system secure without slowing down access

VELOX SMART-BLOCK



- > Interfaces with all OPRTR cases
- > Rugged 15 Pin interface - USB 3 .2
- > IP68 seal against mating mount
- > IP68 seal to USB-C port on EUD
- > Installs with hex tool (included)

VELOX ARMOR.MOUNT



- > 15-Pin interface - USB 3 .2
- > IP68 seal against mating Smart-Block
- > Integrated closure security strap
- > Easy installation into MOLLE/PALS webbing
- > Tension adjustable thumb screw tightener
- > Secure low profile mounting to plate carrier
- > Integrated power delivery cable

VELOX CHARGE DATA DOCK



- > 6-device charge and data bays
- > Smart-block interface
- > Data provisioning managed via 3rd party MDM app
- > Rugged IP54 rated platform for field application
- > Quick connect bay interface
- > Modular device specific cups
- > Daisy chain up to 5 docks for charge/data for 30 EUDs
- > Integrated power supply for up to 25W charging per EUD

VELOX CHARGE/DATA CABLE



- > Provides quick charge or data transfer in the field
- > 15-Pin interface - USB 3 .2
- > Snaps onto VELOX Smart-Block
- > IP54 rated
- > Terminates to standard USB-C connector
- > Comes with protective cover for pogo-pins

SATCOM

PANTHER™ II



FEATURES

- > Tri-band 60-96 cm man-portable VSAT
- > Multi-orbit, MEO/GEO capable
- > Modular design for rapid band, aperture or modem changes
- > Quickly “lock on” with the optional one-touch Auto-Acquire
- > Single airline checkable case or overhead-stowable rucksack

HAWKEYE™ 4 LITE



FEATURES

- > Tri-band 1.3 m Flyaway VSAT
- > Multi-orbit, MEO/GEO capable
- > Supports high-speed data for video and C5ISR applications
- > Fast, on-touch auto acquire or manual point
- > Modular design for rapid band, aperture or modem changes

HAWKEYE™ 4 XY (2.6M)



FEATURES

- > Five-band 2.6m flyaway VSAT
- > XY positioner enabling multi-orbit: LEO, MEO, GEO, HEO
- > Mature and proven pointing and tracking algorithm on all orbits, including fast-moving LEOs
- > Simple and intuitive design
- > Box-to-Bird in 20 minutes
- > Band and modern rapid adaptability in field
- > Modular design
- > Shared Haweye Common Controller and Fiber Module option

CONFIGURATION OPTIONS AND ACCESSORIES

MULTI-ORBIT KIT (OPTION)

Make-before-break handovers on NGSO orbits



MODERN MODULE

Viasat, Comtech, iDirect, LHX



TACTICAL FIBER MODULE (OPTIONS)

Remote M&C and User Data



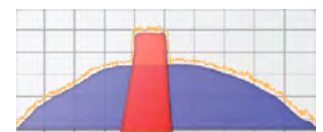
COMMON CONTROLLER

Unified User Experience



GATEKEEPER (OPTION)

Signal of interest excision



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