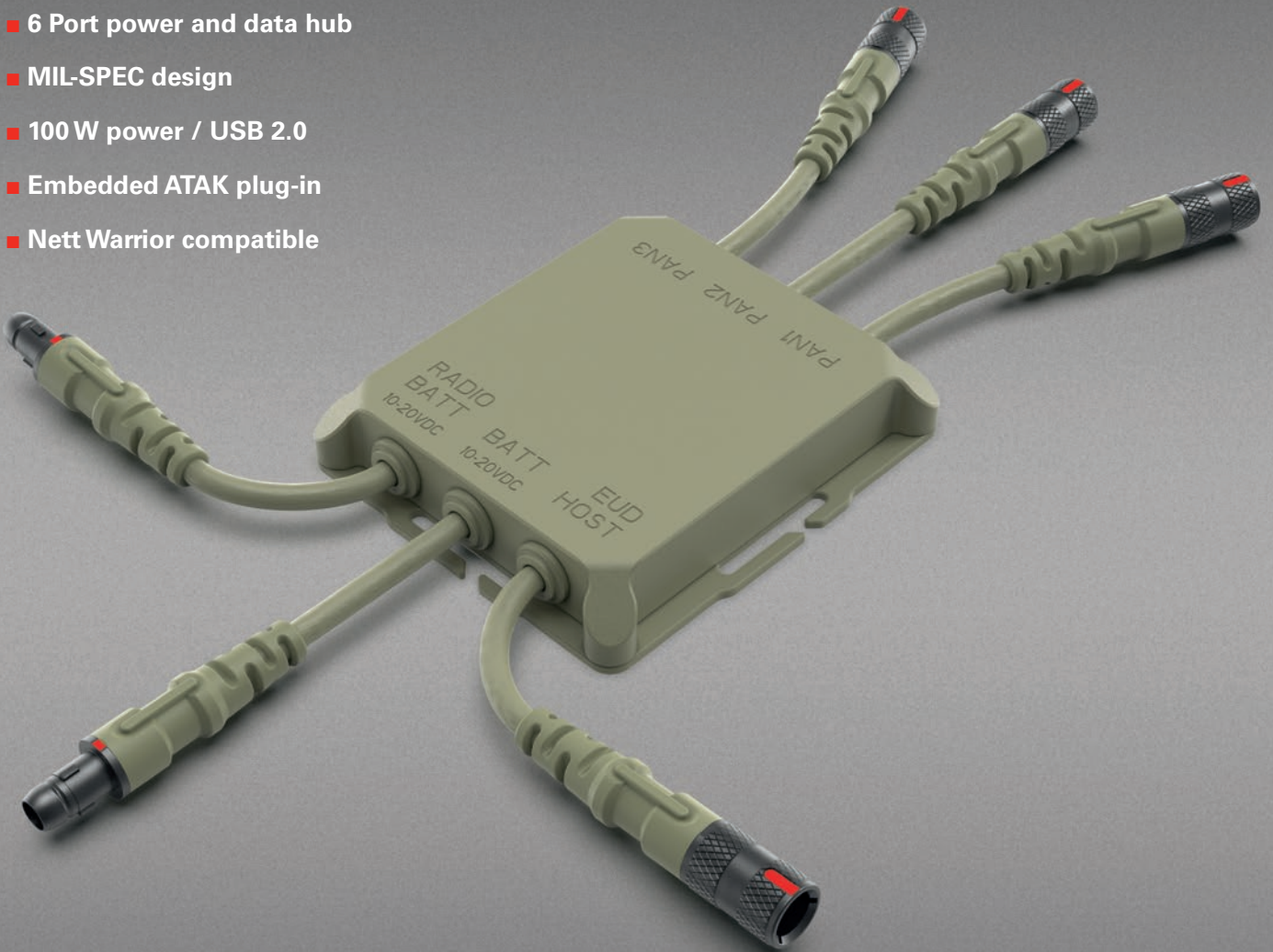




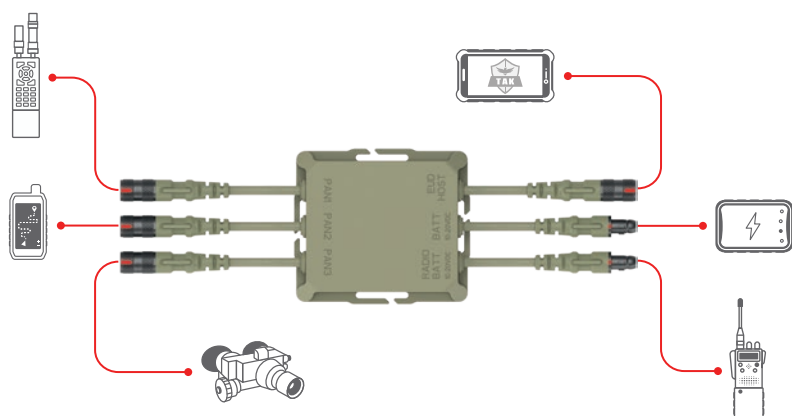
FISCHER KEYSTONE 6 TACTICAL HUB

- 6 Port power and data hub
- MIL-SPEC design
- 100 W power / USB 2.0
- Embedded ATAK plug-in
- Nett Warrior compatible



PRODUCT DESCRIPTION

DATA AND POWER HUB – SYSTEM OVERVIEW



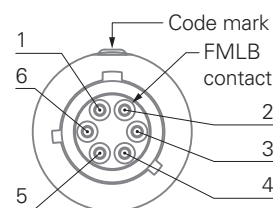
The Fischer KEYSTONE 6 Tactical Hub is the heart of the individual soldier connectivity solution, integrating power and data flows from sights, radios, displays and batteries in a lightweight ergonomic component.

KEYSTONE 6 is designed to meet U.S. Army standards for the Next Generation Hub (NGH).

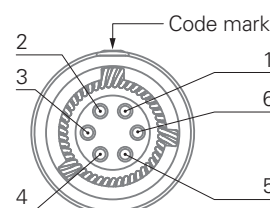
NETT WARRIOR INTERFACES

Pin ID	Power ports (plugs)	PAN ports (receptacles)
1	Direct Battery Voltage (V _{BATT} : [10-20] V DC, 5 A max)	Direct Battery Voltage (V _{BATT} : [10-20] V DC, 5 A max)
2	Ground	Ground
3	5 VDC	5 V DC
4	SM Bus Data	USB+
5	SM Bus Clock	USB-
6	SM Bus: ID – not used	No connect

Connector front view



Pre-cabled plug



Pre-cabled receptacle

STANDARD CABLE ASSEMBLY AND CONNECTOR

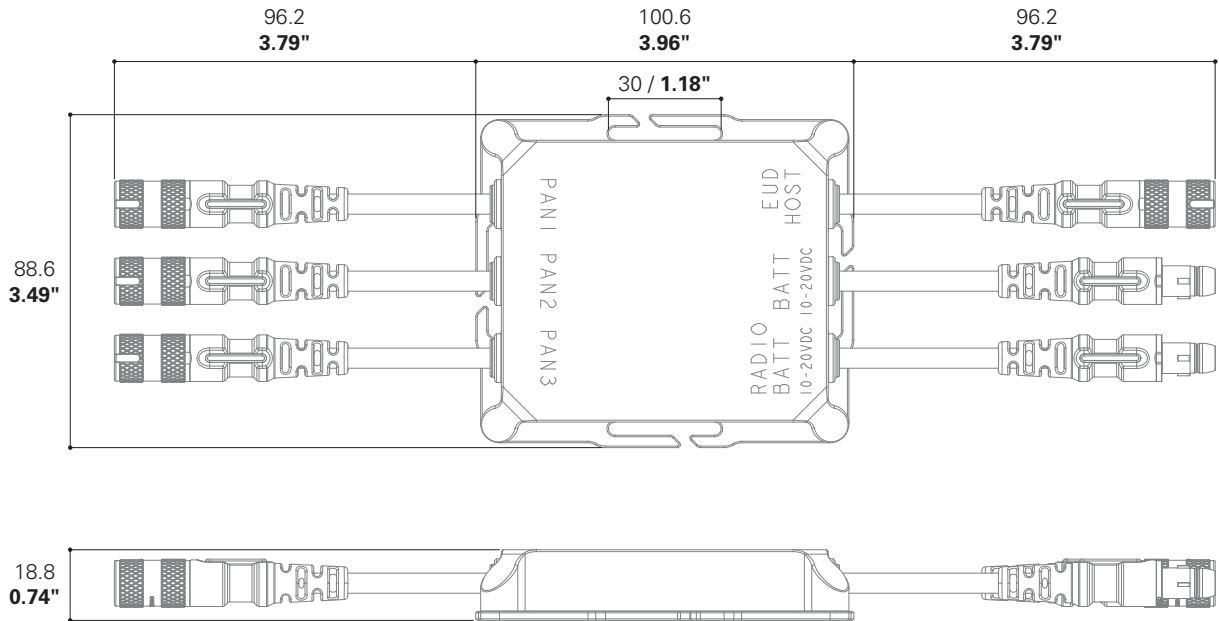
Description	Color	Lengths Part no.		
		0.3 m	0.5 m	0.75 m
Nett Warrior plug-to-receptacle cable	TAN 499*	139292	142618	142619
Nett Warrior receptacle-to-receptacle cable	TAN 499*	142151	142622	142623
Nett Warrior plug-to-plug cable	TAN 499*	142157	142626	142627
Nett Warrior pre-cabled plug	TAN 499*	–	–	1 m 140599
Nett Warrior pre-cabled receptacle	TAN 499*	–	–	1 m 140601
Nett Warrior plug-to-USB-C for EUDs	BLACK	0.3 m 141421	–	–
Nett Warrior plug-to-USB 2.0 type A plug	BLACK	0.3 m 139297	–	–
Nett Warrior plug-to-USB 2.0 type A receptacle	BLACK	0.3 m 139298	–	–
Nett Warrior plug to RJ45 receptacle	BLACK	–	0.55 m 141428	–
Rear mounted panel receptacle (Solder)	BLACK	–	137855	–
Rear mounted panel receptacle (PCB)	BLACK	–	136793	–
Other options available on request				

*Also available in BLACK (for part numbers, refer to the Fischer KEYSTONE™ Technical Specifications on fischerconnectors.com).

KEY FEATURES

DIMENSIONS

in millimeters



SOFTWARE / FIRMWARE

Android power management application	<ul style="list-style-type: none"> Battery power status PAN management: monitoring and control of power and data for each port
Android Team Awareness Kit (ATAK)	<ul style="list-style-type: none"> Plug-in available for power management application in ATAK
Security	<ul style="list-style-type: none"> Only booting signed software – verified using a SHA256 checksum and an ECC256 signature Software update files are encrypted using a AES 256 encryption
Certification	<ul style="list-style-type: none"> FIPS 140-2/3 capable

ELECTRICAL

EUD / HOST	USB power	EUD charge up to 1.5 A via integrated Power delivery
	Output power	Unregulated 10-20 VBATT, up to 5 A
PAN 1/2/3	USB power	Regulated 5 V DC, up to 2 A per port
	Output power	Unregulated 10-20 VBATT, up to 5 A
HUB output power	USB	Up to 6 A 5 V DC across combined EUD / HOST and PAN 1/2/3 ports, 5 A system total
	VBATT	Up to 5 A 10-20 VBATT, across combined EUD / HOST and PAN 1/2/3 ports, 5 A system total
BATT, RADIO/BATT input power		10-20 VBATT, 5 A max
BATT SMBus		Versions 1.0/1.1 compatible
Communication protocol		USB 2.0
Fault mode protection		Over current, over voltage and back-power

MATERIAL AND MECHANICAL

Housing material	Aluminum
Finish	Standard color: TAN 499 – Optional color: Black
Weight	223 g (7.87 oz)
Mounting	MOLLE mount built in

ENVIRONMENTAL

Temperature	Storage: -40 °C to +55 °C Operating: -32 °C to +49 °C	MIL-STD-810G, Procedure I of Method 501 MIL-STD-810G, Procedure II of Method 501
Altitude	Storage: up to +12,192 m Operating: up to +9,754 m Rapid decompression: from 2,438 to 12,192 m	MIL-STD-810G, Procedure I of Method 500 MIL-STD-810G, Procedure II of Method 500 MIL-STD-810G, Procedure III of Method 500
Sealing	IP68 -2 m / 24 h	MIL-STD-810G, Procedure I of Method 512
Shock	40 G ; 11 ms	MIL-STD-810G, Procedure I of Method 516
Vibration	7.7 G ; 1 h per axis	MIL-STD-810G, Procedure I of Method 514.7
Weather conditions	Solar radiation Salt Atmosphere Sand and Dust Rain and Water Fungus	MIL-STD-810G, Method 505, Procedure I MIL-STD-810G, Method 509, Procedure I MIL-STD-810G, Method 510, Procedure I/II MIL-STD-810G, Method 506, Procedure I MIL-STD-810G, Method 508
EMI / EMC	CE101, CE102, CS101, CS114, CS115, CS116, RE101, RE102, RS101, RS103	MIL-STD-461G
Electrostatic Discharge ESD	CS118 Level IV	MIL-STD-461G
Compliance	CE, FCC, UKCA, RoHS and REACH standards	

OPTIONS AND ACCESSORIES

Colors



TAN
standard



Black
optional

Soft caps



Part number
137800



Part number
139707

*For more detailed information on the plug interface, please refer to UltiMate 80 Technical Specifications.

Explore high-performance connectivity solutions
[fischerconnectors.com](https://www.fischerconnectors.com)