

# PICOHUB

RF-9080-PD001

GENERAL	
RT Nomenclature	picoHUB RF-9080-PD001
Compatibility	Falcon III® and Falcon® IV manpack and handheld radios
Input Voltage	8 to 17.5 VDC
DC Input Protection	7.5 to 18.5 VDC +/-0.5 VDC
Output Voltage	8 to 17 VDC (battery) 5 VDC 2A Max (USB)

PHYSICAL	
Dimensions	4.63 W x 2.63 H x 1.20 D in (11.76 W x 6.68 H x 3.04 D cm)
Volume	14.61 cu in (239.41 cu cm)
Weight	0.55 lbs (0.24 kg)
Color/Finish	Black

ENVIRONMENTAL	
Shock and Vibration	MIL-STD-810G
Immersion	MIL-STD-810G
Temperature	MIL-STD-810G
Sand/Dust/Salt/Fog/Rain	MIL-STD-810G
Humidity	MIL-STD-810G
EMI/RFI	MIL-STD-461F

ELECTRICAL	
Max Power Dissipation	3.5 W
Max Input Current Draw	5.25A +/-0.25A
Max Temperature Storage	167°F (75°C)
Max Temperature Operation	131°F (55°C)

INTERFACES	
Data	USB, USB RNDIS Host and Device, Ethernet, RS-232
DC Input	USB 2.0 5V/VBUS
Connectors	19-pin Fischer Mini Max
Programming	USB/RS232
Dedicated Charge Port Low	1A max
Dedicated Charge Port High	2A max
Standard Downstream Port	0.5A max
Charging Downstream Port	2A max



The picoHUB acts as a power distribution point and a data distribution hub for a soldier-worn communications system. The power distribution point has a single input and three outputs to quickly determine battery source charge via SMBus. The USB 2.0 data distribution hub provides one upstream port for EUD hosts, six downstream ports for USB devices, three USB/RS232 devices, and one internal USB device for direct communications to the picoHUB. This smart solution has a default IP address to support devices with predetermined IP addresses, or it can function as a DHCP server to provide IP addresses. It can also act as a simple router inside each of multiple soldier system units. The picoHUB meets all subsets of MIL-STD-810G and MIL-STD-461 requirements for body-worn soldier systems.

## NETWORKING

DHCP Server	Supported
Network Address Translation	Supported
Network Address and Port Translation	Supported
Simple Router Mode	Supported

picoHub RF-9080-PD001

© 2022 L3Harris Technologies, Inc. | 06/2022 SP225

### Non-Export Controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across space, air, land, sea, and cyber domains.



**L3HARRIS™**  
FAST. FORWARD.

1025 W. NASA Boulevard  
Melbourne, FL 32919