PORTSMITH

PORTSMITH PART NUMBER: PSA1U1E-EG

MIL-STD 810G USB 2.0 TO 10/100 ETHERNET INTERFACE ADAPTER

This is the most durable USB-to-Ethernet adapter available for DoD, aerospace, and other specialty applications where MIL-810G standards apply.

Portsmith developed the PSA1U1E-EG specifically for mission-critical use-cases. This product is the only 810-G validated USB-to-Ethernet adapter available. It facilitates a 10/100 Ethernet port on supported host devices via a USB 2.0 (Type-A) port.

Extreme Durability

- High-altitude applications
- High-humidity environments
- Resistant to blowing sand and rain
- Wide temperature range
- Vibration resistant
- Shock resistant

Small Form Factor

- 138mm x 28mm x 38mm body
- 200 grams

Future Proof

- BOM stability
- Broad compatibility
- ASIX 8877A Chipset
- Robust driver and OS support

Contact	**Jeff Moeser**
Phone	1.208.888.5813 x 1010
E-mail	sales@portsmith.com

CERTIFIED TO

- FCC Class B
- MIL-STD 810G, Method 500.6 Altitude operating /non-operating
- MIL-STD 810G, Method 507.6 Humidity operating/non-operating
- MIL-STD 810G, Method 510.5 Blowing sand operating
- MIL-STD 810G, Method 505.5 Solar radiation operating
- MIL-STD 810G, Method 501.6 High temperature operating/non-operating
- MIL-STD 810G, Method 502.6 Low temperature operating/non-operating
- MIL-STD 810G, Method 514 Vibration non-operating
- MIL-STD 810G, Method 516 Shock operating
- MIL-STD 810G, Method 506.5 Blowing rain operating

COMPLIANCE:

- RoHS 3 (EU Directive 2015/863) compliant, with allowable exemptions 7a, 7c, 7c-1, 10a, 15.
- Temperature range
    - Non-operating: -40C / + 71C
    - Operating: -20C / + 49C

WEIGHT AND DIMENSIONS

- 200 grams
- Main body: 138L x 28H x 38Wmm
- Legs fully extended: 531mm

ELECTRONICS

- ASIX 8877A USB-to-Ethernet chipset
- Approximately 100mW draw from host
- Wide operating system driver support

MECHANICAL

- Double encapsulated inner-mold and outer shell
- Molded strain relief
- Standard Type-A and RJ45 connectors
- Tethered protection caps for connectors when not in use

USE GUIDE:

- Host device requires ASIX 88777a driver
- Remove protection cap and connect USB connection to host device (The adapter is powered from host device)
- Remove protection cap and connect network cable with RJ45 termination
- Illumined link and connection LED's on Ethernet connector will indicate Host device is receiving an IP address
- Replace protection caps when not in use
- The adapter does not consist of any user serviceable parts