

# ALTA™ SERIES SUDS™ MOBILE 10.4

Military-grade portable Secure Upload/Download System with an integral 10.4" display

General Digital's **SUDS Mobile 10.4** is a customized Secure Upload/Download System featuring an integrated computer and 10.4" sunlight readable display fitted into a Pelican™ case.

Although equipped with embedded intelligence, the SUDS unit is programmed to function as a state machine, thereby allowing the device to be used only for loading and retrieving data from the target (e.g., the ECU of a commercial aircraft engine). This prevents operators from using the unit for personal activities—gone are the days of technicians trading crypto on their TOUGHBOOK® over lunch.

Our dedicated Embedded Systems Engineering (ESE) team is able to configure both the firmware and hardware to suit your specific application.



SUDS Mobile 10.4  
in deployed position

## FEATURES

- » iMX6 dual core processor 1.0 GHz
- » 4 GB removable storage (encrypted USB flash drive)
- » 10.4" LED-backlit LCD
  - › 1024 x 768 (XGA) resolution
  - › 1000 nits of sunlight readable brightness
- » Dual rotary encoders (pointing device)
- » CAN BUS interface
- » D38999 military circular I/O connectors
- » Integrated rechargeable battery for remote operation
- » Operating temperature: -20° C to 70° C
- » Configuration as a state machine
- » Pelican™ case with bezel adaptor and metal construction designed to withstand industrial/military requirements

## OPTIONS

- » NVIS goggle compliance to MIL-STD-3009
- » Numerous HMI enhancements including keyboards, touch screens, and alternative pointing devices
- » Variety of AC-DC and DC-DC power inputs
- » Speakers
- » Much more

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## PRODUCT STORY

The SUDS Mobile 10.4 unit is an example of our ESE team taking a customer's idea and turning it into a finished product.

After holding an initial requirements meeting, our engineers got to work, quickly producing a 3-D model of a potential solution that captured all of our customer requirements into a unique solution.

From there, our mechanical, electrical, and software engineers collaborated to design a functioning prototype for proof of concept. We then sent it to our customer for their feedback. Once accepted, our in-house IV&V team performed unit and systems testing to verify and validate the design.

After getting final approval from the end user, our factory began producing the SUDS Mobile 10.4, which is currently deployed to service aircraft across the globe.

When you work with General Digital's Embedded Systems Engineers, you get a team of experts that design the perfect solution for your specific need, and an on-shore ISO 9001:2015-certified factory to handle production (AS9100 Certification on track for 2022).



SUDS Mobile 10.4 intuitive controls



SUDS Mobile 10.4  
in storage position

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