

M853 Rugged Duty Keyboard

M853 Rugged Duty Keyboard

Staco Systems' M853 rugged keyboard is designed with a compact profile for applications in aircraft and ground vehicles.

The keyboard features dimmable white backlighting and a sealed keypad allowing for easy cleaning and resistance to dust and other foreign substance.

The keyboard has been qualified to FAA flammability, Boeing, and Airbus aerospace EMI and environmental standards.



NEMA 4 Water Resistance

Features:

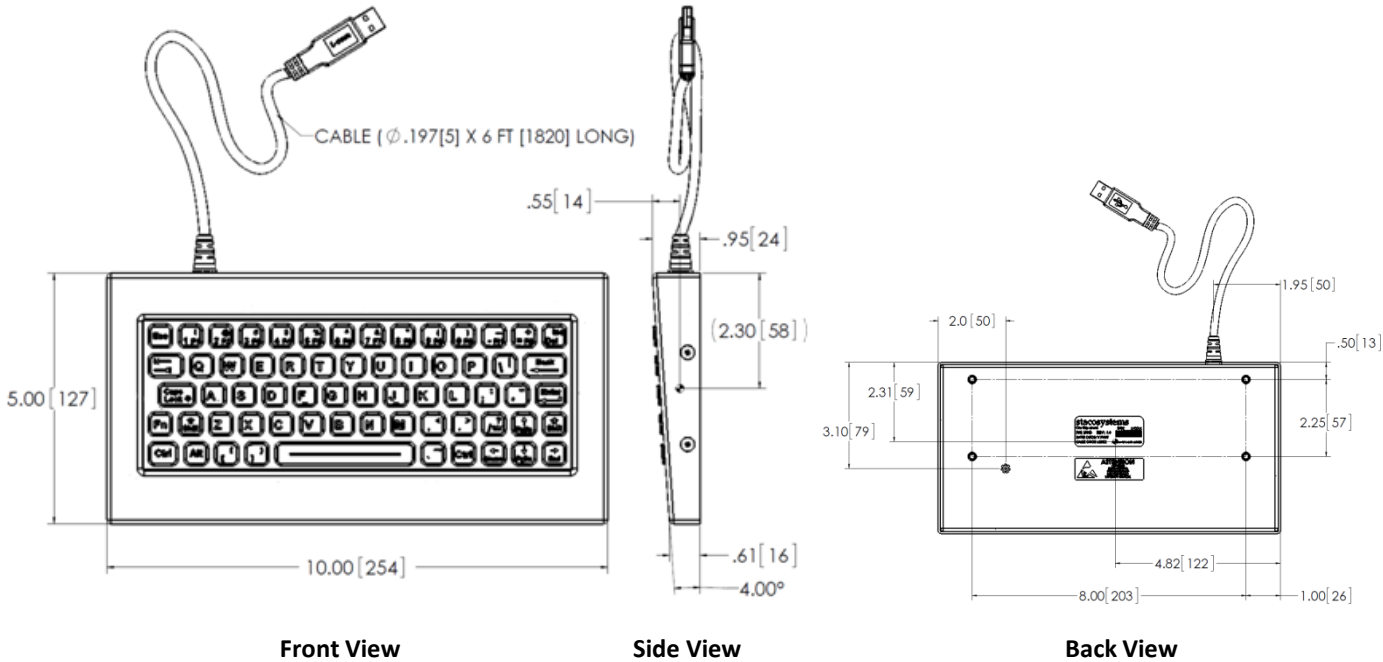
- 64 Keys in a Compact Size (10" L x 5" W x 1" H)
- Standard USB Interface
- Low power consumption (< 0.75W)
- Light Weight (< 1.3 lb)
- Sealing resistance rated to NEMA 4 and IP66
- 5-level dimmable white LED backlighting with advanced power saving features
- Advanced Laser Engraving Process Ensures durable legends
- Integrated Glove Compatible Touchpad
- Compatible with Windows XP and higher, and Linux OS
- 12 functions keys included

Qualifications and Specifications

- FAA 14 CFR Part 25 Flammability
- Magnetic and Electric Fields, 350 to 32,000 Hz
- 600 Vp-p induced spike
- Conductive and Radiated RF susceptibility, up to 8 GHz
- Conductive and Radiated RF Emissions, 150 kHz to 6 GHz
- Lightning Induced Transient Susceptibility
- ESD, ± 8 KV contact and ± 15 KV air discharge
- Magnetic Effect, Cat. Z
- 15,000 ft Altitude
- 8,000 to 50,000 ft decompression
- 20,000 ft overpressure
- 20g shock and vibration
- WATERPROOFNESS and FLUIDS SUSCEPTIBILITY

Applications and Markets:

- Crew Control Station for In-Flight Entertainment (IFE) Systems
- Tactical Officer Operation in fixed- and rotary-wing aircraft
- Military ground land vehicles
- First responder and public safety vehicles



Specifications

MECHANICAL

- **Weight:** 590g (1.3 lbs) Max.
- **Key Travel:** 1.25 mm (.050 in)
- **Size:** 10" L x 5" W x 1" H

ENVIRONMENTAL

- **Operating and storage temperature:** -40 to 85C
- **Humidity:** > 95%
- **Water Sealability:** NEMA4 or IP66
- **Meets DO160, MIL-STD-810, and MIL-STD-461**

ELECTRICAL

- **Power consumption** < 0.75W
- **1,000,000** actuation
- **> 40 Mohm** insulation resistance
- **> 500 VDC** dielectric withstand voltage
- **Standard USB** interface