

DU-5K-IS

Intrinsically Safe Keyboard with HulaPoint II™



iKey manufactures devices to reduce risk of failure in your hazardous areas. The intrinsically safe DU-5K-IS is designed to meet NEMA 4X specifications. It features 116-key functionality, including 24 function keys, and an ABS polycarbonate case. It has a Factory Mutual approval for Class I, II and III, Division I, Groups C, D, E, F and G. The DU-5K-IS includes optical isolated barriers and bulkhead cables for complete protection in hazardous locations. An upgraded HulaPoint II™ pointing device is integrated into the DU-5K-IS, which offers improved sensitivity and increased durability.

Technical Specifications

Certifications	NEMA 4X UL60950, FCC Part 15 Class B Factory Mutual Class I, II, & III, Division I, Groups C, D, E, F, & G
Shock	3x11 ms pulses of 50g on each of 3 axes
Cable	LENGTH: 5 feet from keyboard to Bulkhead Connector DESIGN: 2 separate cables (providing separate keyboard and mouse connections)
Key Switch	MATERIAL: Industrial silicone rubber LIFE: 10 million cycles TRAVEL: 0.055 in. (1.4mm) ACTUATION FORCE: 6.35 oz. +/- 1.06 oz. (200g +/- 30g) FEEDBACK: Tactile with mechanical snap
Vibration	POWER SPECTRAL DENSITY: 0.04g/Hz FREQUENCY RANGE: 20Hz - 2 kHz DURATION OF TEST PER AXIS: 3 hours
Power	KEYBOARD: 5V@ 10 ma (from CPU port) HULAPOINT: 5V@ 10 ma (from mouse conn. port)
Flammability	PRINTED CIRCUIT BOARD: 94 VO SILICONE OVERLAY: 94 HB INTERFACE CABLE: 94 VO
Compatability	PS/2 KEYBOARD/HULAPOINT: All Windows Operating Systems
Temperature Range	STORAGE: -40C to +70C (-40F to +158F) OPERATING: -20C to +60C (-4F to +140F)
Weight	3.8 lbs +/- 0.10 lbs (1.7 kg +/- 0.05 kg)
Warranty	1 year limited warranty
Humidity	100%
Dimensions	14.94" x 6.63" x 1.81" (w-h-d) 379.5mm x 168.4mm x 46mm
Model Numbers	

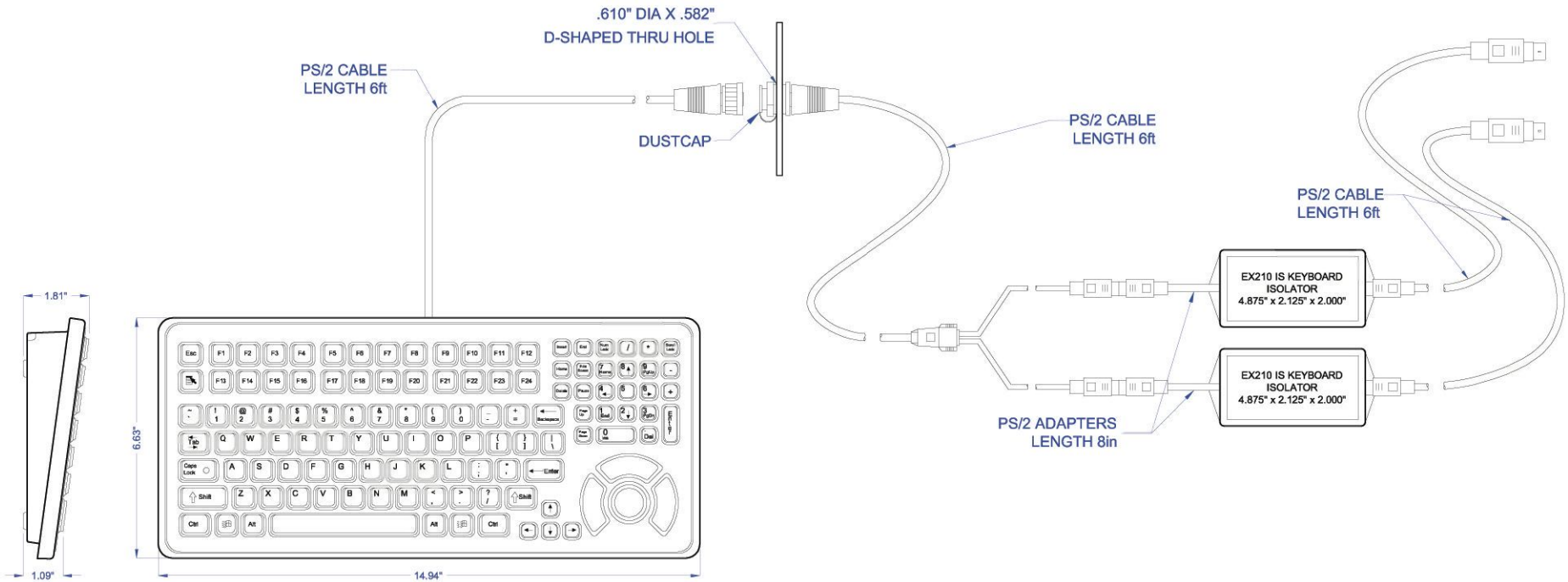
Features and Benefits

- 10-Key Numeric Pad
- 24 Function Keys
- Polycarbonate Case with Mounting Holes
- 116-Key Functionality
- Integrated HulaPoint II Pointing Device
- PS/2 configurations available

DU-5K-IS

Hazardous (Classified) Location

Non Hazardous (Unclassified) Location



KEYBOARD SPECIFICATIONS:

KEY SWITCH

MATERIAL: Industrial Silicone Rubber
 LIFE: Greater Than 10 Million Cycles
 TRAVEL: 0.055 in.
 ACTUATION FORCE: 6.35 oz. +/- 1.06oz (200g +/- 30g)
 FEEDBACK: Tactile with Mechanical Snap

POWER

Reference Drawing Number HL0003 for Power Requirements
 Installation shall be in accordance with NEC, Article 504,
 ANSI, NFPA 70

TEMPERATURE RANGE

STORAGE: -40°F to +158°F (-40°C to +70°C)
 OPERATING: -4°F to +140°F (-20°C to +60°C)

HUMIDITY

100% Humidity Resistant

VIBRATION

POWER SPECTRAL DENSITY: .04g²/HZ
 FREQUENCY RANGE: 20Hz-2Khz
 DURATION OF TEST PER AXIS: 3 hours

SHOCK

3 X 11 ms pulses of 50g on each of 3 axis

WEIGHT

3.8 lbs +/- 0.10 lbs (1.7 kg +/- 0.05 kg)

PROPRIETARY AND CONFIDENTIAL

NOT TO SCALE

Part Number: DU-5K-IS	Drawing Number: MKT0292	Sheet: 1 OF 1
Drawing Title: DU-5K-IS-MKT	Revision: 1.0	Date: 12.12.11 TWH



Distributed by:
 i-Tech Company LLC
 TOLL FREE: (888) 483-2418 • EMAIL: info@iTechLCD.com • WEB: www.iTechLCD.com