

# DT-102-SS-XXX-AT0

## Stainless Steel ATEX Approved Keyboard

iKey manufactures peripherals designed to reduce the risk of failure in hazardous environments. The new DT-102-XXX-AT0, part of the DT-102-EX™ line, carries FM approval for ATEX Zone 0 area, making it an ideal solution for locations where explosive gases may be present. Built with an industrial grade stainless steel case and keys, the DT-102-XXX-AT0 is virtually indestructible and tamper proof. Designed as a complete data input solution, it features an integrated touchpad and 10-key numeric pad. It also ships with bulkhead cables for complete protection.



### NOTE:

When ordering please note the cable type in the XXX portion of the part number.

To learn more, visit our DT-102-EX video on YouTube's iKeyKeyboards Channel: [Click Here](#)

### Technical Specifications

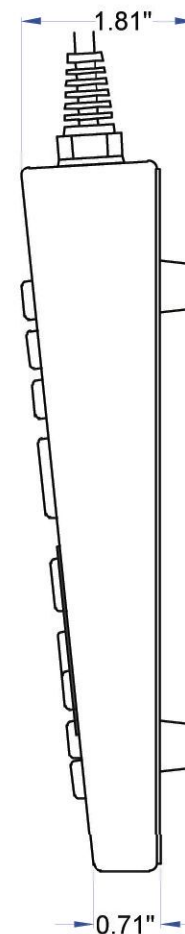
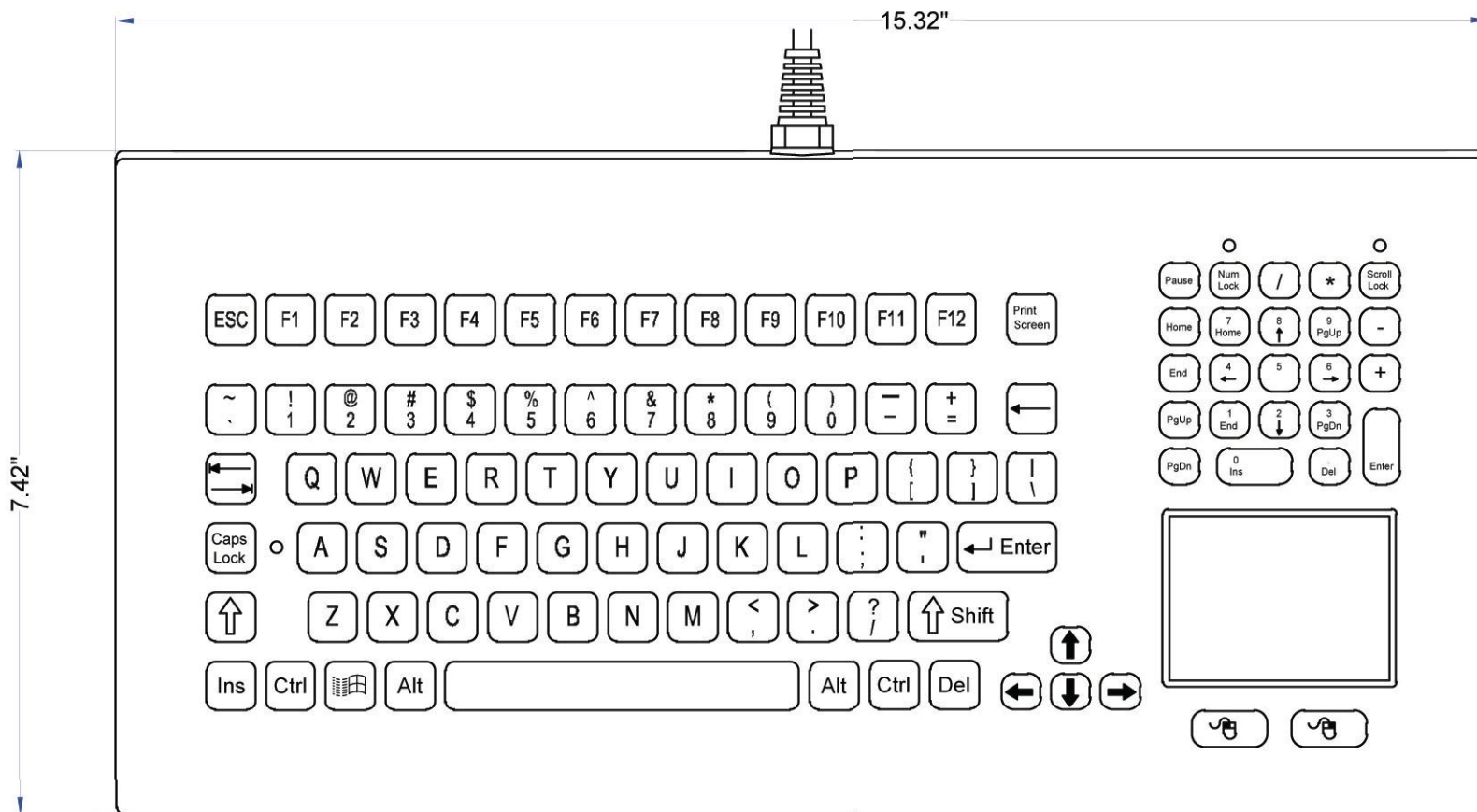
Shock	3 x 11 ms pulses of 50g on each of 3 axes
Cable	Where XXX= PS/2, CX, or USB Note: Compatible and certified isolation barriers must be used.
Hazardous Location Ratings	Ex ia IIB T4; Ex tb IIIB T4; Ta=60C IP65
Certified to European Standards	EN60079-0, EN60079-11, EN60079-26, EN60079-31, IEC 60529
Entity Parameters	Ui=5.4V Ii=135mA Pi=0.7W Ci=63.23uF Li=2.41uF Note: Um not to exceed 7V
Key Switch	MATERIAL: Brushed Stainless Steel LIFE: Greater than 10 Million Cycles TRAVEL: 0.079 in. (2.01 mm) ACTUATION FORCE: 4.23 oz. +/- 0.18 oz (120 g +/- 5 g)
Vibration	POWER SPECTRAL DENSITY: .04g/HZ FREQUENCY OF RANGE: 20Hz-2KHz DURATION OF TEST PER AXIS: 3 hours
Power	Reference Drawing Numbers HL-0014 Power Requirements.
Compatibility	All Windows Operating Systems
Temperature Range	STORAGE: -40C to +65C (-40F to +149F) OPERATING: -20C to +60C (-4F to +140F)
Weight	5.50 lbs +/- 0.10 lbs (2.49 kg +/- 0.5 kg)
Warranty	1 year limited warranty
Humidity	100% Humidity Resistant
Dimensions	15.32" x 7.42" x 1.8" (w-h-d) 38.9mm x 188mm x 46mm

### Features and Benefits

- 10-Key Numeric Pad
- Integrated Touchpad
- Stainless steel keys and case
- FM Approval ATEX Zone 0
- PS/2 configurations available

# DT-102-SS

DATE	CHANGES	INTL	REV
09.30.09	Original	JB	1.0
11.12.10	Updated operating temperature	JMW	1.1
11.30.11	Updated Case Dimensions	TWH	1.2



## KEY SWITCH

MATERIAL: Brushed Stainless Steel  
 LIFE: Greater Than 10 Million Cycles  
 TRAVEL: 0.079 in.  
 ACTUATION FORCE: 4.23 oz. +/- 0.18oz (120g +/- 5g)  
 FEEDBACK: Tactile with Mechanical Snap

## TEMPERATURE RANGE

STORAGE: -40°F to +149°F (-40°C to +65°C)  
 OPERATING: -4°F to +140°F (-20°C to +60°C)

## VIBRATION

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

## POWER

PS2:  
 KEYBOARD: 50mA@5V (from Keyboard port)  
 POINTER: 10mA@5V (from Mouse port)  
 USB: 60mA@5V (from CPU port)

## HUMIDITY

100% Humidity Resistant

## SHOCK

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

## WEIGHT

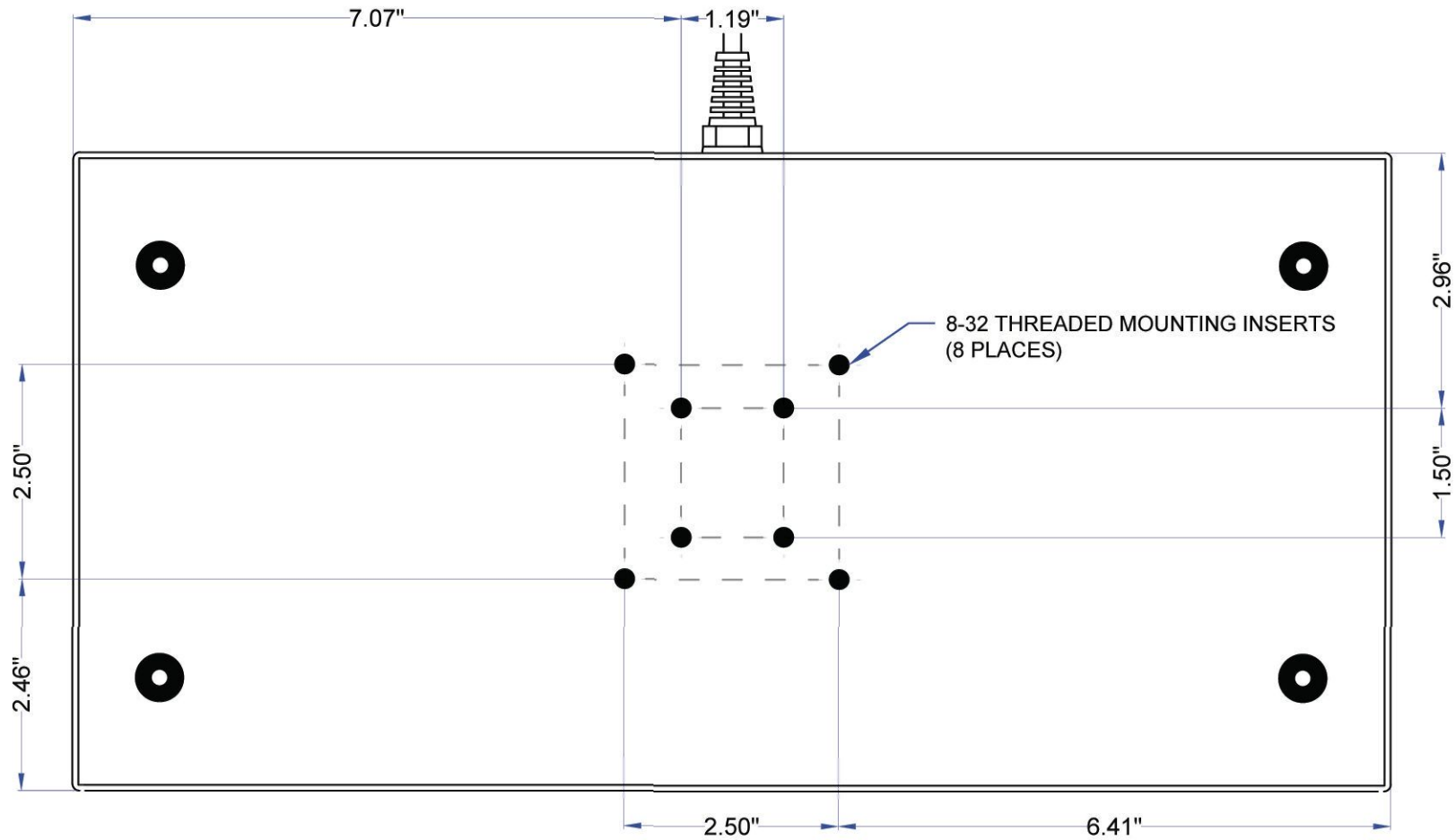
5.50 lbs +/- 0.10 lbs (2.49 kg +/- 0.05 kg)

PROPRIETARY AND CONFIDENTIAL

SCALE: 1:2

Part Number: DT-102-SS	Drawing Number: MKT0219	Sheet: 1 OF 2	
Drawing Title: DT-102-SS-MKT	Revision: 1.2	Date: 11.30.11	TWH

# DT-102-SS BACK / MOUNTING



PROPRIETARY AND CONFIDENTIAL

SCALE: 1:2

Part Number: DT-102-SS

Drawing Number: MKT0219

Sheet: 2 OF 2

Drawing Title: DT-102-SS-MKT

Revision: 1.2

Date: 11.30.11

TWH



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