PM-2000

Panel Mount Keyboard with HulaPoint II™

The PM-2000 is constructed using a highly rugged stainless steel case and industrial silicone rubber pad, ensuring NEMA 4X protection in extremely rugged applications. An integrated HulaPoint II™ pointing device offers additional usability. The PM-2000 provides users with a full 114-key industrial keyboard and HulaPoint II™ industrial pointing device. It has two rows of function keys that allow for single keystroke access to software shortcuts.
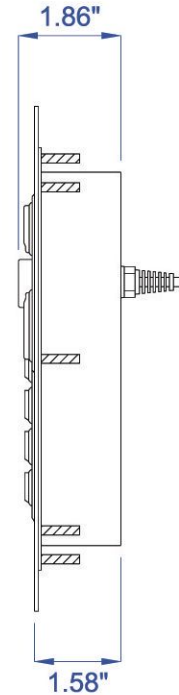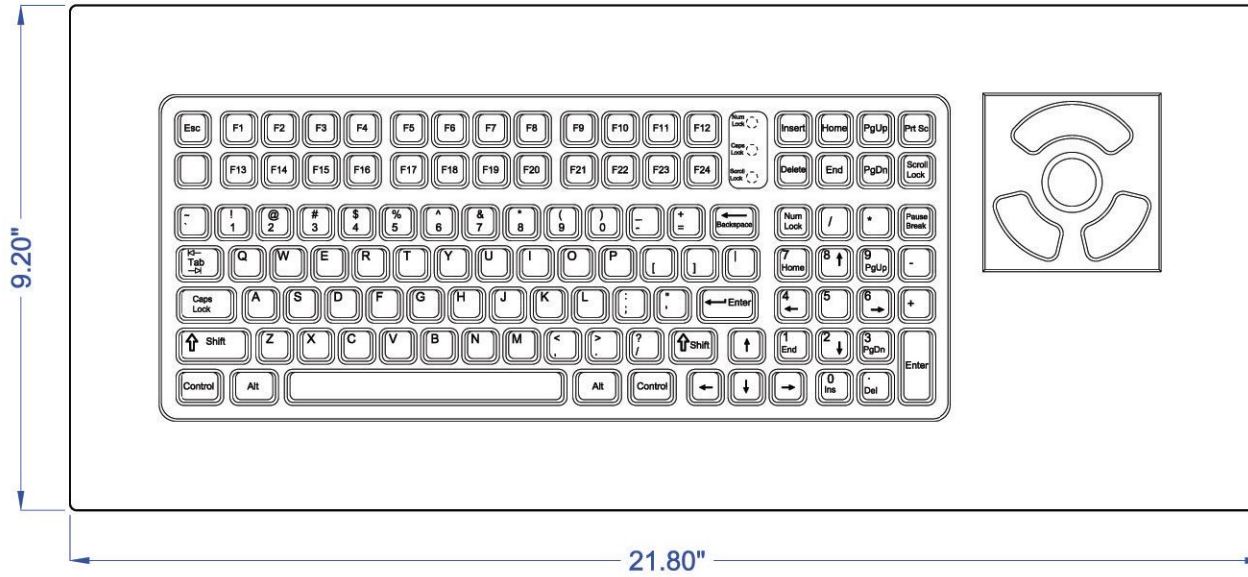
Technical Specifications

Certifications	NEMA 4X, CE UL60950, FCC Part 15 Class B
Shock	3x11 ms pulses of 50g on each of 3 axes
Cable	LENGTH: 10 feet (3 meters) DESIGN: "Y" PS/2 or AT/serial Cable (providing separate keyboard and mouse connections), or Single-Cable USB
Key Switch	MATERIAL: Industrial Silicone Rubber LIFE: Greater than 10 Million Cycles TRAVEL: 0.055 in. (1.4mm) ACTUATION FORCE: 7.03 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	PS/2 or AT/serial: KEYBOARD: 50mA@5V (from Keyboard port), POINTER: 35mA@5V (from Mouse port); USB: 85mA@5V (from CPU port)
Flammability	PRINTED CIRCUIT BOARD: 94 VO SILICONE OVERLAY: 94 HB INTERFACE CABLE: 94 VO
Compatability	PS/2 KEYBOARD/HULAPOINT: All Windows Operating Systems USB KEYBOARD/HULAPOINT: All Windows and Macintosh OS
Temperature Range	STORAGE: -40C to +70C (-40F to +158F) OPERATING: -20C to +60C (-4F to +140F)
Weight	5.50 lbs +/- 0.10 lbs (2.49 kg +/- 0.05 kg)
Warranty	1 year limited warranty
Humidity	100% (when properly installed)
Dimensions	21.80" x 9.20" x 0.28" (w-h-d) 553.7mm x 233.7mm x 7.1mm SCREWS: 1.58" (40.1mm)
Model Numbers	

Features and Benefits

- 10-Key Numeric Pad
- Integrated HulaPoint II Pointing Device
- 24 Function Keys
- USB, PS/2 and AT/serial configurations available

PM-2000

1.86"

9.20"

21.80"

1.58"

KEY SWITCH

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LIFE: Greater Than 10 Million Cycles
TRAVEL: 0.055 in.
ACTUATION FORCE: 7.03 oz. +/- 1.06oz (200g +/- 30g)
FEEDBACK: Tactile with Mechanical Snap

POWER

PS2 or AT/Serial:
KEYBOARD: 50mA@5V (from Keyboard port)
POINTER: 35mA@5V (from Mouse port)
USB: 85mA@5V (from CPU port)

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: .04g/HZ
FREQUENCY RANGE: 20Hz-2Khz
DURATION OF TEST PER AXIS: 3 hours

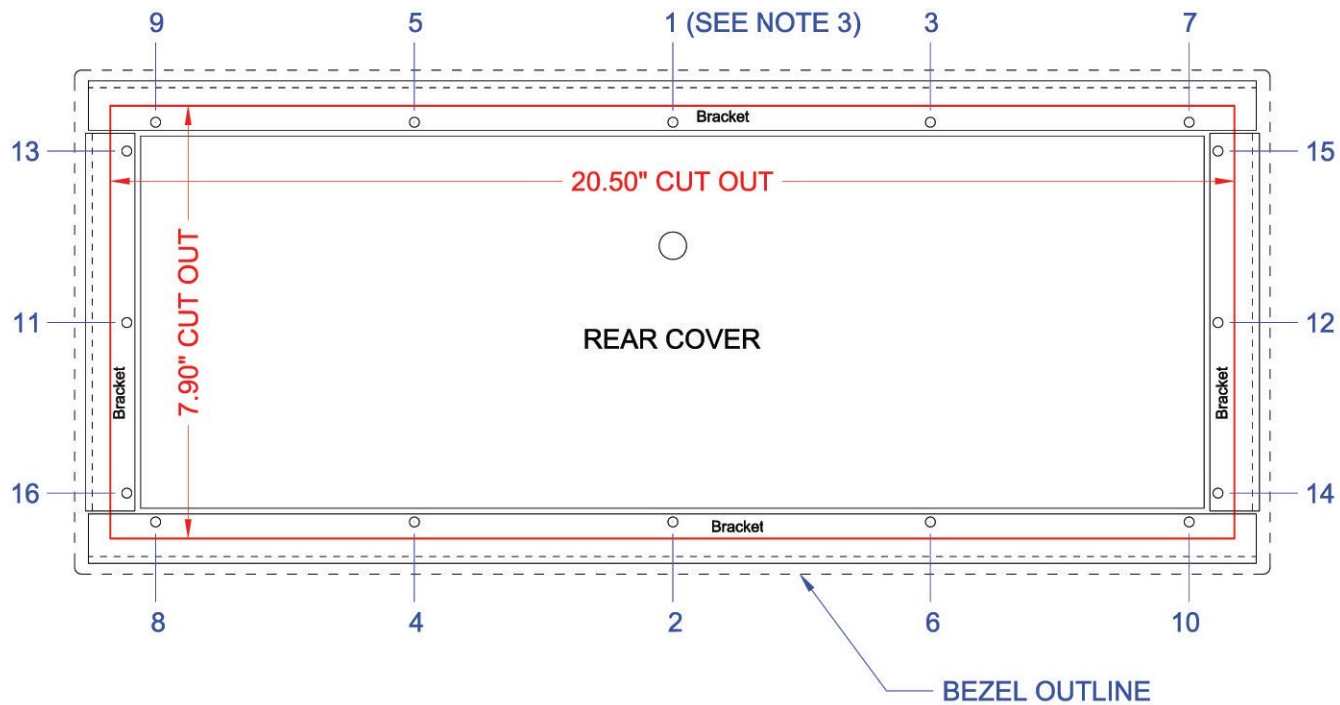## SHOCK

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

WEIGHT

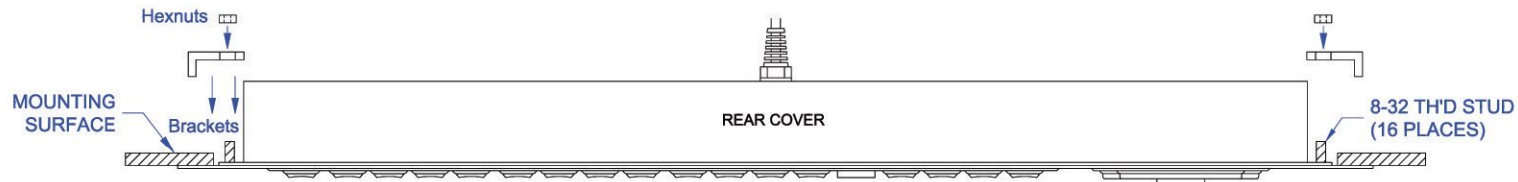5.50 lbs +/- 0.10 lbs (2.49 kg +/- 0.05 kg)

SCALE: 1:3.5

Part Number: PM-2000	Drawing Number: MKT0020	Sheet: 1 OF 2	
Drawing Title: PM-2000-MKT	Revision: 1.00	Date: 01.02.09	JWB

PM-2000 BACK / MOUNTING

Hexnuts

MOUNTING
SURFACE   Brackets

REAR COVER

8-32 TH'D STUD
(16 PLACES)

9   5   1 (SEE NOTE 3)   3   7

13   15

Bracket

20.50" CUT OUT

11   12

7.90" CUT OUT

Bracket   REAR COVER   Bracket

16   14

Bracket

8   4   2   6   10

BEZEL OUTLINE

ENCLOSURE CASE: Stainless Steel

1. PLACE UNIT IN 7.9"X20.5" CUT PIT
2. PLACE 4 BRACKETS ON EACH SIDE AND HAND TIGHTEN LOCKING HEXNUTS OVER ALL 16 8-32 STUDS
3. TIGHTEN WITH TORQUE WRENCH (15 IN.LB.) IN ORDER SHOWN (1-16) ABOVE

SCALE: 1:3.5

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