Hope Industrial Systems, Inc.

Data Sheet: Industrial Keyboards
IP65/IP66

Product Description

Hope Industrial Systems' line of Industrial Keyboards is designed to provide the industrial user with rugged options to complete their workstations. We offer a variety of enclosures and keypads to suit each user's need. Each keyboard is sealed to IP65/66 standards for wash-down environments and includes our standard industry-leading 5-year warranty.

Optional features include short and full travel keypads, button pointers and touchpads, rugged stainless or black powder-coated steel enclosures, and a variety of enclosure form factors.

Industrial Keyboard Features

▶ Wide variety of keypad and enclosure options
▶ Integrated touchpad or button pointer
▶ Numeric keypad, up to 24 function keys
▶ Stainless and black carbon steel enclosures
▶ 3rd-party certified to IP65/IP66 standards
▶ Full 5-year warranty on all components

Keyboard Enclosure Form Factor Options

▶ Monitor-Mounted (KB-EXT series) - for use with Hope Universal Mount Monitors
▶ Benchtop (KB-BCH series) - flexible design for easy relocation and use on any flat surface
▶ Flush Panel Mount (KB-P90 series) - for flush mounting in any panel using a single cutout
▶ Folding Wall Mount (KB-WMT series) - with two typing positions and two storage positions
▶ Fixed Wall Mount (KB-W35 series) - space-saving design for low-profile installations

Monitor-Mounted Full-Travel Keyboard with Touchpad

Panel Mount Short-Travel Keyboard with Touchpad

Folding Wall Mount Keyboard (left) and Fixed Wall Mount Keyboard (right)

Full-Travel Keypad with Touchpad (R3 models)

Full-Travel Keypad with Button Pointer (R2 models)

Short-Travel Keyboard with Touchpad (M2 models)

Keypad Style	Full-Travel with Touchpad (R3)	Full-Travel with Button Pointer (R2)	Short-Travel with Touchpad (M2)
Keypad			
Keys	113-key functionality with numeric keypad and 20 function keys		102-key functionality with numeric keypad and 24 function keys
Overlay	Silicone overlay with long-travel keys		Polyester membrane with short-travel keys; chemical, abrasion, and scratch resistant
Key Material	Industrial silicone rubber		OMRON mechanical switches
Key Switch Force / Travel	0.45 lb. (2.0 N) / 2.5 mm		0.59 lb. (2.6 N) / 0.3 mm
Key Switch Life	10 million cycles		3 million cycles
Computer Connection			
Connection	Single USB type A		
Cable Length	-BCH, -P90, and -W35 models: 4.6 m -WMT models: 3.8 m		
Pointing Device			
Integrated Pointing Device	Capacitive Touchpad Resolution: 40 counts / mm	Button Pointer Technology: Hall effect sensor	Capacitive Touchpad Resolution: 40 counts / mm
Use with Gloves	Compatible with thin gloves	Compatible with all gloves	Compatible with thin gloves
Environmental			
Enclosure Rating	Stainless steel models: sealed to IP65/IP66 standards Black powder-coated carbon steel models: sealed to IP65/IP66 standards		
Operating Temperature	-20° to 60°C		
Storage Temperature	-40° to 70°C		-40° to 90°C
Humidity	20% to 90% non-condensing		
Physical			
Dimensions (W x H x D)	-BCH models: 416.6 mm x 206.6 mm x 63.5 mm -EXT models: 416.6 mm x 193.4 mm x 50.8 mm (thickest dimension at base; narrows to 25.4 mm) -P90 models: 444.5 mm x 228.6 mm; depth behind front of panel: 30.9 mm maximum -W35 models: 416.6 mm x 233.7 mm x 58.4 mm (thickest dimension at base; narrows to 25.4 mm) -WMT models: 416.6 mm x 200.7 mm x 50.8 mm (thickest dimension at base; narrows to 25.4 mm)		
Mounting Pattern (W x H)	-P90 models: 416.1 mm x 200.7 mm -W35 models: 355.6 mm x 36.7 mm -WMT models: 508.05 mm x 76.2 mm		
Mounting Footprint (W x H)	-P90 models: 444.5 mm x 228.6 mm -W35 models: 416.6 mm x 58.7 mm -WMT models: 536.2 mm x 101.6 mm		
Weight	-BCH models: 2.7 kg -EXT, -W35, -WMT models: 3.2 kg -P90 models: 2.8 kg		
Compliances and Certifications			
Electrical	CE, UL 60950 3rd Edition / cUL Listed Product, FCC Class A		
Environmental	WEEE		
Hazardous Locations	I.T.E. for Class I, II, III, Division 2 for Groups A, B, C, D, F, G; Temp Code T5 or T4A (file No. E334953) per ANSI/ISA-12.12.01-2015 and CAN/CSA C22.2 No. 213-15		
Warranty	5-year warranty		

About Hope Industrial Systems

Hope Industrial Systems manufactures and markets industrial monitors and touch screens with superior quality and up-to-date features housed in a variety of rugged enclosures. We assure our customers of high reliability over time and back it up with an industry-leading warranty. We provide all of these benefits at a price that is significantly less than comparable industrial offerings. Finally, we offer the best sales, support and service in the industry:

- ▶ 5-year limited warranty
- ▶ 24-48-hour repair turnaround (most models)
- ▶ Same day dispatch lead time (most models)
- ▶ 30-day money-back guarantee