



Human Machine Interface

Operating can not get any easier. Hitachi offers a wide range of operator interfaces which allow you to choose the best solution for your application.

EH-TPJ

The new EH-TPJ field device series is Hitachi's answer to critical applications and for customers IoT demands. High-resolution displays with multitouch PCAP touchscreen, a robust glass front, full IP67 protection and extended operating temperature range just to highlight some of the product advantages.

IoT device with Power over Ethernet (PoE) and an adjusted panel design enables installation flexibility. Mounting on the machine allows an easy interaction of operator and machine. Integrated OPC UA Client/Server with an internal storage up to 2 GB allows data storage and processing of variables according to the customer needs.



HIGHLIGHTS

- Display sizes 7", 10,1", 15,6" and 21,5"
- Up to full HD resolution 1920 × 1080 pixel with 16M colours and dimmable backlight
- PCAP touch screen with multitouch allows gesture control (swipe & zoom)
- Robust glass front and extended operating temperature range between -20 °C and +55 °C
- Full IP67 for installation at harsh environment applications
- Power over Ethernet (PoE) led to reduced wiring efforts
- Integrated OPC UA Client/Server for data handling
- Up to 2 GB internal memory for data storage
- Supports OPC UA, Modbus, CODESYS V3 ETH and Siemens S5/S7 communication protocols
- Wi-Fi Connectivity
- Programmable with HiMobile studio



CABLE & INSTALLATION ATTACHMENTS

- Usage of designated cables enable full IP67 protection
- Connection cables available such as 90° cable outlet or an additional USB socket
- Wide range of installation auxiliary available for wall-, tube- or VESA mounting
- Gooseneck allows flexible installation, available for 7" and 10,1" display size



Cable 90° PoE – 5m



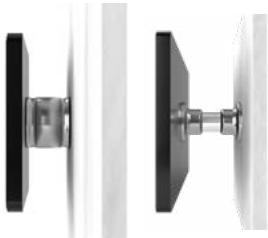
Cable PoE-USB – 5m



Cable PoE – 5m



Cable PoE Injector – 5m



Wall Attachment



Tube Attachment



Multi-use Attachments



Gooseneck Attachment

Technical Information

	EH-TPJ07	EH-TPJ10	EH-TPJ15	EH-TPJ21	
System Resources	Display – Colors	7" TFT – 16 M	10.1" TFT – 16 M	15.6" TFT – 16 M	21.5" TFT – 16 M
	Resolution	1024 × 600	1280 × 800	1366 × 768	1920 × 1080
	Brightness	400 cd/m ² typ.	400 cd/m ² typ.	400 cd/m ² typ.	400 cd/m ² typ.
	Dimming	to 0 %	to 0 %	to 0 %	to 0 %
	Touchscreen	Projected capacitive – Multitouch	Projected Capacitive – Multitouch	Projected Capacitive – Multitouch	Projected Capacitive – Multitouch
	CPU	ARM Cortex-A9 dual core – 800 MHz	ARM Cortex-A9 dual core – 800 MHz	ARM Cortex-A9 quad core – 800 MHz	ARM Cortex-A9 quad core – 800 MHz
	Operating System	Linux RT	Linux RT	Linux RT	Linux RT
	Flash	4 GB	4 GB	8 GB	8 GB
	RAM	1 GB	1 GB	2 GB	2 GB
	FRAM	64 KB	64 KB	64 KB	64 KB
	Real Time Clock, RTC Back-up	Yes	Yes	Yes	Yes
Interface	Ethernet port	10 / 100 PoE			
	USB port	1 (Host V2.0, max. 500 mA, available with special cable)			
	LED	1 RGB			
	Sensors	Temperature, 3-Axis Accelerometer			
	Wi-Fi	IEEE 802.11a/b/g			
	Buzzer	Yes			
Ratings	Power supply	IEEE 802.3af PoE	IEEE 802.3af PoE	IEEE 802.3at PoE+	IEEE 802.3bt 4PPoE
	Power Consumption	9 W	12 W	19 W	32 W
	Battery	Yes (rechargeable)			
Environment Conditions	Operating Temp	–20 °C to +55 °C (vertical installation)			
	Storage Temp	Storage Temp –30 °C to +80 °C			
	Operating / Storage Humidity	5–85 % RH, non-condensing			
	Protection Class	IP67 (requires appropriate accessories and cables)			
Dimensions and Weights	Faceplate L × H	195.2 × 131.6 mm (7.68 × 5.18")	264.5 × 183.1 mm (10.41 × 7.20")	398.6 × 248 mm (15.69 × 9.76")	534.1 × 325.6 mm (21.02 × 12.81")
	Depth D+T+T	16.5 mm (0.06")	16.5 mm (0.06")	26.5 mm (1.04")	26.5 mm (1.04")
	Weight	0.7 kg	1.2 kg	4.0 kg	6.0 kg
Approval	CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environment			

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