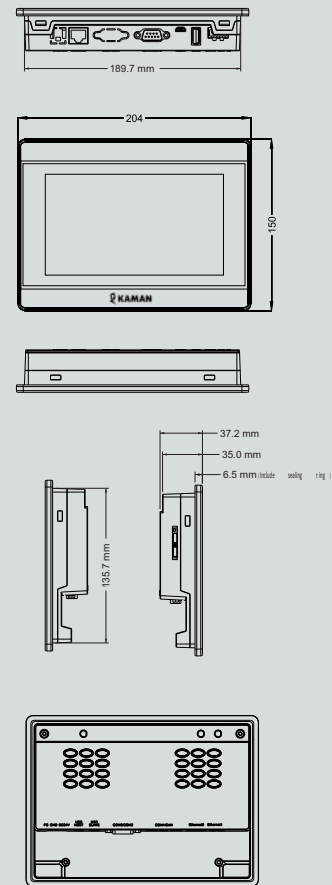


New Economy Series HMI

KIH-L070-W



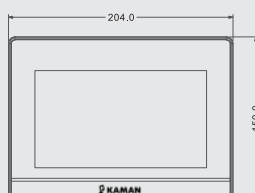
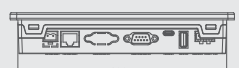
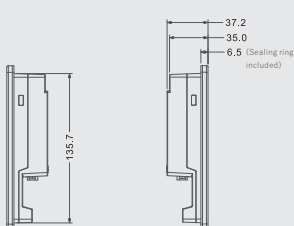
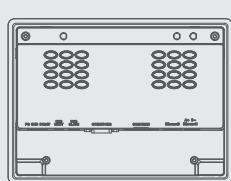
Model specification	KIH-L070-W	Mechanical Dimensions:	Unit (mm)
Performance specifications			
Display size	7" TFT		
Display area	154.21(W)×85.92(H)		
Resolution	1024*600 pixel		
Display color	16.77 million true colors		
Display viewing angle	85/85/85/85(left/right/up/down)		
Contrast ratio	800:1		
Backlight	LED		
Brightness	450cd/m2		
Backlight life	30000 hours		
Touch Panel	4 line precision resistance network (surface hardness 4H)		
CPU	ARMCore ex-A7DualCore 1GHz		
Memory	256MB NAND Flash+128MB DDR3 RAM		
RTC	Built-in		
Extensible memory	1 USB Host		
Print port	USB Host/serial port		
Ethernet	10/100Mbps		
Program download	USB Slave(Micro USB) U disk/Ethernet port		
Communication port	COM0:RS232/RS485/RS422;COM1:RS485;COM2:RS232		
Electrical specifications			
Input power supply	DC10.8V~DC28V		
Rated power	4.2W@DC 24V		
Allowable loss of power	<3ms		
Insulation resistance	Over 50MΩ@500V DC		
Pressure resistance test	500V AC 1minute		
Structure specifications			
PCB	None		
Shell material	Engineering plastic		
Overall dimension (mm)	204mm*150mm*37mm		
Cut-out dimension (mm)	192mm*138mm		
Weight(kg)	0.5kg		
Environmental specification			
Working temperature	0~50°C		
Working humidity	10~90%RH (Non-condensing)		
Storage temperature	-20~60°C		
Storage humidity	10~90%RH (Non-condensing)		
Sine vibration test	10 ~500Hz,30m/s ² , X,Y,Z direction/hour		
Cooling mode	Natural air cooling		
Product certification			
Panel protection grade	Conforming to IP65 requirements		
CE certificate	EN61000-6-4: 2007+A1:2011, EN61000-6-2:		
Software			
Configuration software	Kaman Designer		



General Series Industrial HMI

KIH-G070-W



Model/Specification	KIH-G070-W	Dimensions (mm)	
Performance			
Display Size	7" TFT		
Display Area (W x H)	154.21 x 85.92 mm		
Resolution	1024*600		
Colors	16.7 million		
Viewing Angle (T/B/L/R)	85/85/85/85		
Contrast Ratio	800:1		
Backlight	LED		
Brightness	450 cd/m²		
Backlight Life Time	30000 hours		
Touch Panel	4-wire resistive type (surface hardness: 4H)		
CPU	Dual-core ARM 1 GHz		
Memory	256MB RAM + 4GB eMMC		
RTC	Built-in		
Expandable Memory	1*USB Host		
Printer Port	USB Host / Serial port		
Ethernet	10/100 Mbps		
Program Download	USB Slave (Type-C)/U disk/Ethernet port		
Communication Port	COM0:RS232/RS485/RS422; COM1:RS485; COM2:RS232		
Input Power	DC10.8V ~ 28V		
Power Consumption	4.2W@DC 24V		
Voltage Interruption Immunity	<3ms		
Insulation Resistance	Over 50MΩ@500V DC		
Dielectric Resistance	500V AC 1 minute		
Structure			
Enclosure	Engineering plastic		
Dimensions (W x H x D)	204 x 150 x 37 mm		
Cut-out Dimensions	192 x 138 mm		
Mounting	Panel mounting		
Weight	0.5 kg		
Environment			
Operating Temperature	0 ~ 50°C		
Operating Humidity	10~90%RH (Non-condensing)		
Storage Temperature	-20~60°C		
Storage Humidity	10~90%RH (Non-condensing)		
Vibration Resistance	10 ~ 500Hz, 30m/s², 1 hour each for X, Y, Z directions		
Cooling Method	Natural air circulation		
Certification			
Panel Protection Grade	Front panel: IP65		
CE Certificate	EN61000-6-4:2019, EN61000-6-2:2019		
Software			
Configuration Software	Kaman Designer 2		

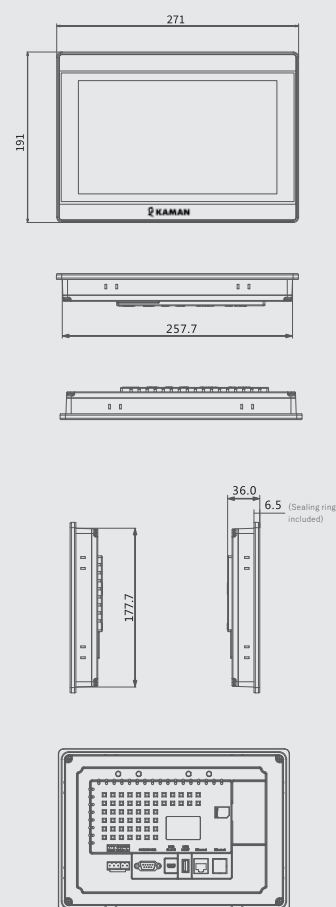
General Series Industrial HMI

KIH-G100-W



Model/Specification	KIH-G100-W
Performance	
Display Size	10.1" TFT
Display Area (W x H)	222.72 x 125.28 mm
Resolution	1024*600
Colors	16.7 million
Viewing Angle (T/B/L/R)	85/85/85/85
Contrast Ratio	500:1
Backlight	LED
Brightness	300 cd/m ²
Backlight Life Time	30000 hours
Touch Panel	4-wire resistive type (surface hardness: 3H)
CPU	Dual-core ARM 1.5 GHz
Memory	256MB RAM + 4GB eMMC
RTC	Built-in
Expandable Memory	1*USB Host
Printer Port	USB Host / Serial port
Ethernet	10/100 Mbps
Program Download	USB Slave (Type-C)/U disk/Ethernet port
Communication Port	COM0:RS232/RS485/RS422; COM1:RS485; COM2:RS232
Input Power	DC10.8V ~ 28V
Power Consumption	6W@DC 24V
Voltage Interruption Immunity	<3ms
Insulation Resistance	Over 50MΩ@500V DC
Dielectric Resistance	500V AC 1 minute
Structure	
Enclosure	Engineering plastic
Dimensions (W x H x D)	271 x 191 x 36 mm
Cut-out Dimensions	260 x 179 mm
Mounting	Panel mounting
Weight	0.9 kg
Environment	
Operating Temperature	0 ~ 50°C
Operating Humidity	10~90%RH (Non-condensing)
Storage Temperature	-20~60°C
Storage Humidity	10~90%RH (Non-condensing)
Vibration Resistance	10 ~ 500Hz, 30m/s ² , 1 hour each for X, Y, Z directions
Cooling Method	Natural air circulation
Certification	
Panel Protection Grade	Front panel: IP65
CE Certificate	EN61000-6-4:2019, EN61000-6-2:2019
Software	
Configuration Software	Kaman Designer 2

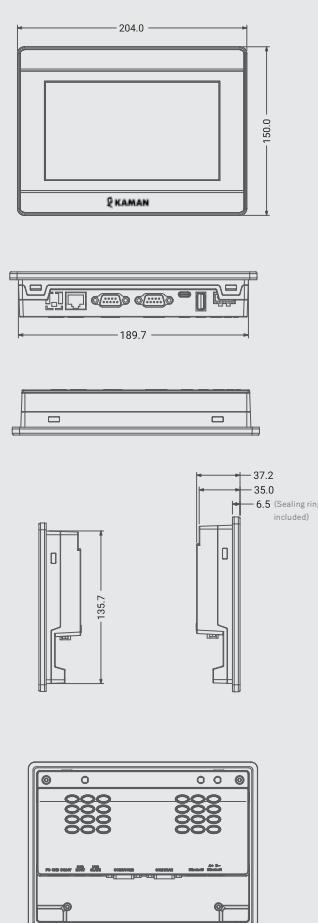
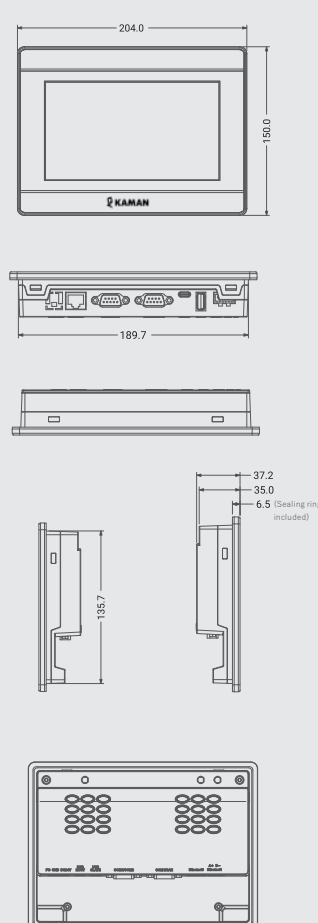
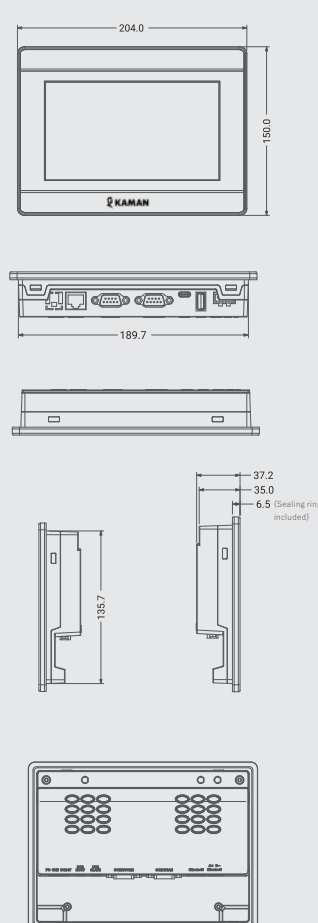
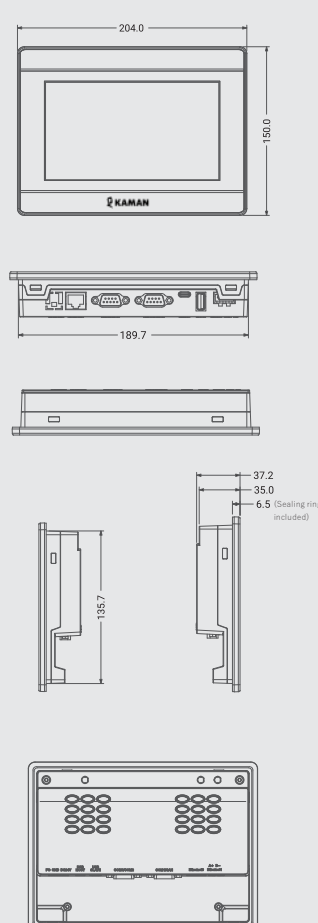
Dimensions (mm)



High Series Industrial HMI

KIH-H070-W

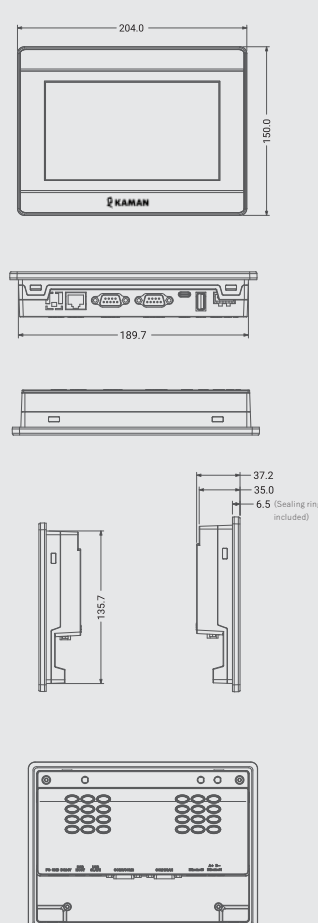
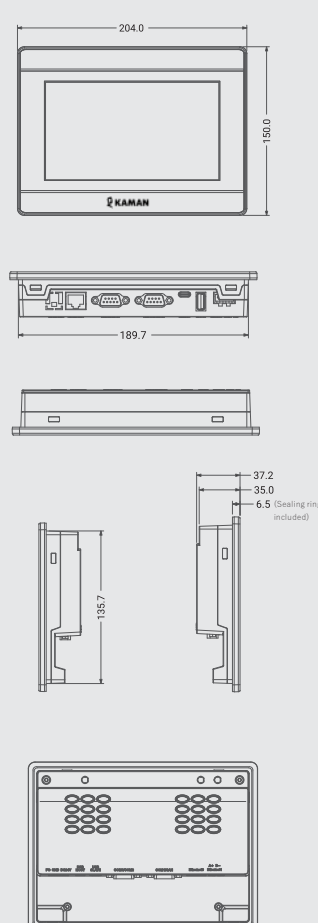
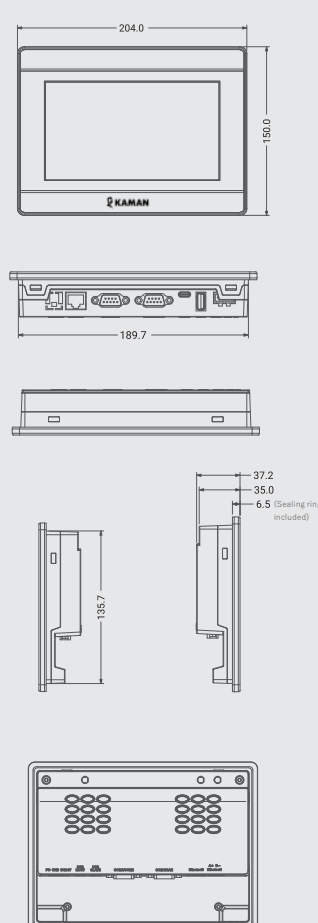
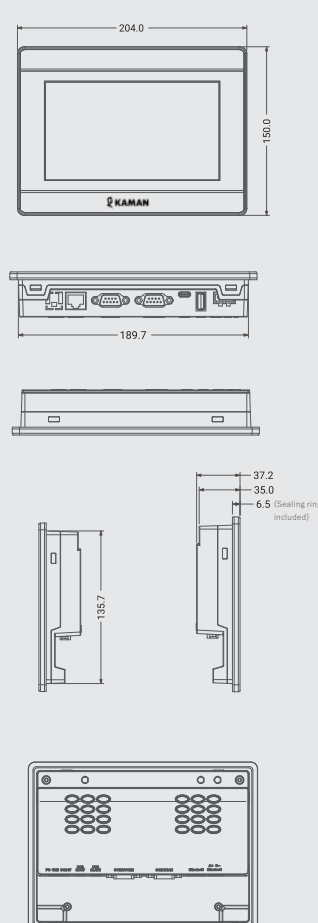


Model/Specification		KIH-H2070-W	Dimensions (mm)
Performance			
Display Size		7" TFT	
Display Area (W x H)		154.21 x 85.92 mm	
Resolution		1024*600	
Colors		16.7 million	
Viewing Angle (T/B/L/R)		85/85/85/85	
Contrast Ratio		800:1	
Backlight		LED	
Brightness		450 cd/m ²	
Backlight Life Time		30000 hours	
Touch Panel		4-wire resistive type (surface hardness: 4H)	
CPU		Quad-core ARM 1.5GHz	
Memory		512MB RAM + 4GB eMMC	
RTC		Built-in	
Expandable Memory		1*USB Host	
Printer Port		USB Host / Serial port	
Ethernet		LAN0:10/100Mbps	
Program Download		USB Slave (Type-C) / U disk / Ethernet port	
Communication Port		COM0:RS232/RS485/RS422; COM1:RS485/RS422; COM2:RS232	
Input Power		DC18V ~ 28V	
Power Consumption		7W@DC 24V	
Voltage Interruption Immunity		<3ms	
Insulation Resistance		Over 50MΩ @500V DC	
Dielectric Resistance		500V AC 1 minute	
Structure			
Enclosure		Engineering plastic	
Dimensions (W x H x D)		204 X 150 X 37 mm	
Cut-out Dimensions		192 X 138 mm	
Mounting		Panel mounting	
Weight		0.5Kg	
Environment			
Operating Temperature		0~50° C	
Operating Humidity		10~90%RH(Non-condensing)	
Storage Temperature		-20~60° C	
Storage Humidity		10~90%RH(Non-condensing)	
Vibration Resistance		10 ~ 500Hz, 30m/s ² , 1 hour each for X, Y, Z directions	
Cooling Method		Natural air circulation	
Certification			
Panel Protection Grade		Front panel: IP65	
CE Certificate		EN61000-6-4:2019, EN61000-6-2:2019	
Software			
Configuration Software		Kaman Designer 2	

High Series Industrial HMI

KIH-H070-L2



Model/Specification		KIH-H2070-L2	Dimensions (mm)
Performance			
Display Size		7" TFT	
Display Area (W x H)		154.21 x 85.92 mm	
Resolution		1024*600	
Colors		16.7 million	
Viewing Angle (T/B/L/R)		85/85/85/85	
Contrast Ratio		800:1	
Backlight		LED	
Brightness		450 cd/m ²	
Backlight Life Time		30000 hours	
Touch Panel		4-wire resistive type (surface hardness: 4H)	
CPU		Quad-core ARM 1.5GHz	
Memory		512MB RAM + 4GB eMMC	
RTC		Built-in	
Expandable Memory		1*USB Host	
Printer Port		USB Host / Serial port	
Ethernet		LAN0:10/100Mbps; LAN1:10/100Mbps;	
Program Download		USB Slave (Type-C) / U disk / Ethernet port	
Communication Port		COM0:RS232/RS485/RS422; COM1:RS485/RS422; COM2:RS232	
Input Power		DC18V ~ 28V	
Power Consumption		7W@DC 24V	
Voltage Interruption Immunity		<3ms	
Insulation Resistance		Over 50MΩ @500V DC	
Dielectric Resistance		500V AC 1 minute	
Structure			
Enclosure		Engineering plastic	
Dimensions (W x H x D)		204 X 150 X 37 mm	
Cut-out Dimensions		192 X 138 mm	
Mounting		Panel mounting	
Weight		0.5Kg	
Environment			
Operating Temperature		0~50° C	
Operating Humidity		10~90%RH(Non-condensing)	
Storage Temperature		-20~60° C	
Storage Humidity		10~90%RH(Non-condensing)	
Vibration Resistance		10 ~ 500Hz, 30m/s ² , 1 hour each for X, Y, Z directions	
Cooling Method		Natural air circulation	
Certification			
Panel Protection Grade		Front panel: IP65	
CE Certificate		EN61000-6-4:2019, EN61000-6-2:2019	
Software			
Configuration Software		Kaman Designer 2	

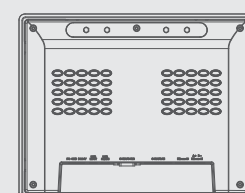
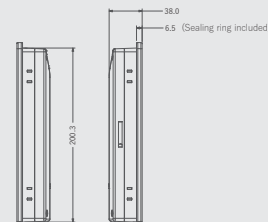
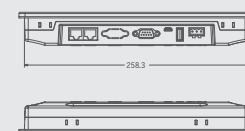
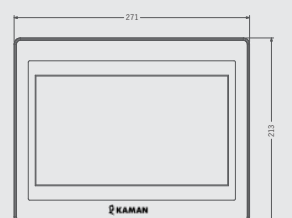
High Series Industrial HMI

KIH-P100-L2



Specification	KIH-P100-L2
Performance	
Display Size	10.1" TFT
Display Area	222.72(H) x 125.28(V)
Resolution	1024*600
Colors	16.7 million
Viewing Angle	70/70/60/60 (left/right/up/down)
Contrast Ratio	500:1
Backlight	LED
Brightness	350 cd/m ²
Backlight Life Time	50000 hours
Touch Panel	4-wire resistive type (surface hardness: 3H)
CPU	Quad-core ARM 1.8 GHz
Memory	1GB RAM + 8GB eMMC
RTC	Built-in RTC + 512KB recipe
Expandable Memory	1*USB Host, 1*USB Slave(type-C)
Printer Port	USB Host / Serial port
Ethernet	LAN0:10/100/1000Mbps; LAN1:10/100Mbps
Program Download	USB Slave (Type-C)/U disk/Ethernet port
Communication Port	COM0:RS232/RS485/RS422; COM2:RS232
Power	
Input Power	DC18V ~28V
Power Consumption	7W@DC 24V
Allowable loss of power	<3ms
Insulation Resistance	Over 50MΩ@500V DC
Dielectric Resistance	500V AC 1 minute
Structure	
PCB	Yes
Shell material	Engineering plastic
Dimensions (W x H x D)	271 x 213 x 38 mm
Cut-out Dimensions	260 x 202 mm
Weight	1.1kg
Environment	
Operating Temperature	-10 ~60°C
Operating Humidity	0~90%RH (Non-condensing)
Storage Temperature	-20~60°C
Storage Humidity	0~90%RH (Non-condensing)
Vibration Resistance	10 ~500Hz, 30m/s ² , 1 hour each for X, Y, Z directions
Cooling Method	Natural air circulation
Certification	
Panel Protection Grade	Front panel: IP65
CE Certificate	EN61000-6-4:2019, EN61000-6-2:2019
Software	
Configuration Software	Kaman Designer 2

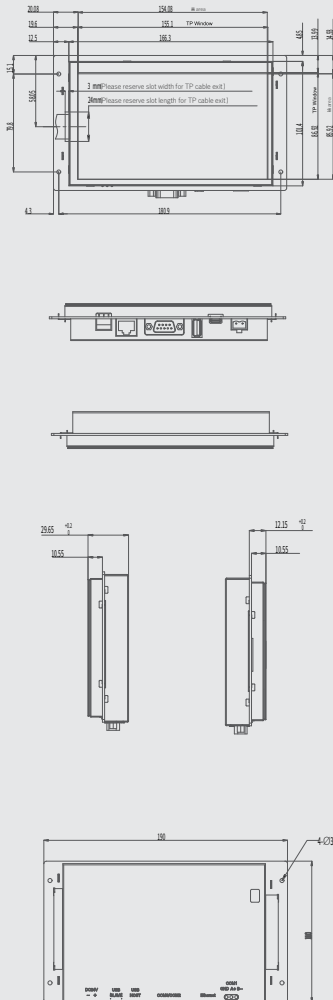
Dimensions (mm)



General Series Industrial HMI

KIH-H070-C



Model/Specification	GR2070HE-LX	Dimensions (mm)
Performance		
Display Size	7" TFT	
Display Area (W x H)	154.21 x 85.92 mm	
Resolution	1024*600	
Colors	16.7 million	
Viewing Angle (T/B/L/R)	85/85/85/85	
Contrast Ratio	800:1	
Backlight	LED	
Brightness	450 cd/m²	
Backlight Life Time	30000 hours	
Touch Panel	Tempered glass, capacitive type (surface hardness: 6H)	
CPU	Quad-core ARM 1.5 GHz	
Memory	512MB RAM + 4GB eMMC	
RTC	Built-in	
Expandable Memory	1*USB Host	
Printer Port	USB Host / Serial port	
Ethernet	LAN0: 10/100 Mbps	
Program Download	USB Slave (Type-C) / U disk / Ethernet port	
Communication Port	COM0:RS232/RS485/RS422; COM1:RS485; COM2:RS232	
Power		
Input Power	DC18V ~ 28V	
Power Consumption	7W@DC 24V	
Voltage Interruption Immunity	<3ms	
Insulation Resistance	Over 50MΩ@500V DC	
Dielectric Resistance	500V AC 1 minute	
Structure		
Enclosure	Frameless, metal rear cover	
Dimensions (W x H x D)	190 x 110 x 30 mm	
Cut-out Dimensions	154 x 86 mm	
Mounting	Rear mounting	
Weight	0.5 kg	
Environment		
Operating Temperature	0 ~ 50°C	
Operating Humidity	10~90%RH (Non-condensing)	
Storage Temperature	-20~60°C	
Storage Humidity	10~90%RH (Non-condensing)	
Vibration Resistance	10 ~ 500Hz, 30m/s², 1 hour each for X, Y, Z directions	
Cooling Method	Natural air circulation	
Certification		
Panel Protection Grade	Front panel: IP65	
CE Certificate	EN61000-6-4:2019, EN61000-6-2:2019	
Software		
Configuration Software	Kaman Designer	

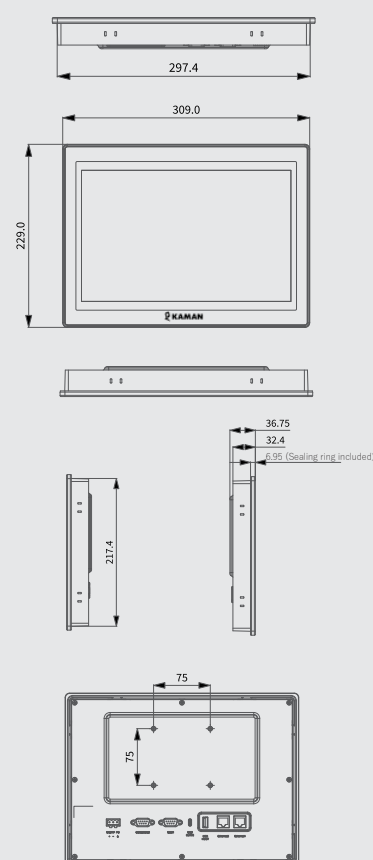
General Series Industrial HMI

KIH-P121-L2



Specification	KIH-P121-L2
Performance	
Display Size	12.1" TFT
Display Area	261.12(H) x 163.2(V)
Resolution	1280*800
Colors	16.7 million
Viewing Angle	85/85/85/85 (left/right/up/down)
Contrast Ratio	1200:1
Backlight	LED
Brightness	400 cd/m ²
Backlight Life Time	50000 hours
Touch Panel	4-wire resistive type (surface hardness: 3H)
CPU	Quad-core ARM 1.8 GHz
Memory	1GB RAM + 8GB eMMC
RTC	Built-in RTC + 512KB recipe
Expandable Memory	1*USB Host, 1*USB Slave(type-C)
Printer Port	USB Host / Serial port
Ethernet	LAN0:10/100/1000Mbps; LAN1:10/100Mbps
Program Download	USB Slave (Type-C)/U disk/Ethernet port
Communication Port	COM0:RS232/RS485/RS422; COM1:RS485; COM2:RS232
Power	
Input Power	DC18V ~28V
Power Consumption	10W@DC 24V
Allowable loss of power	<3ms
Insulation Resistance	Over 50MΩ@500V DC
Dielectric Resistance	500V AC 1 minute
Structure	
PCB	Yes
Shell material	Metal
Dimensions (W x H x D)	309 x 229 x 37 mm
Cut-out Dimensions	299 x 219 mm
Weight	5kg
Environment	
Operating Temperature	-10 ~60°C
Operating Humidity	0~90%RH (Non-condensing)
Storage Temperature	-20~60°C
Storage Humidity	0~90%RH (Non-condensing)
Vibration Resistance	10 ~500Hz, 30m/s ² , 1 hour each for X, Y, Z directions
Cooling Method	Natural air circulation
Certification	
Panel Protection Grade	Front panel: IP65
CE Certificate	EN61000-6-4:2019, EN61000-6-2:2019
Software	
Configuration Software	Kaman Designer 2

Dimensions (mm)



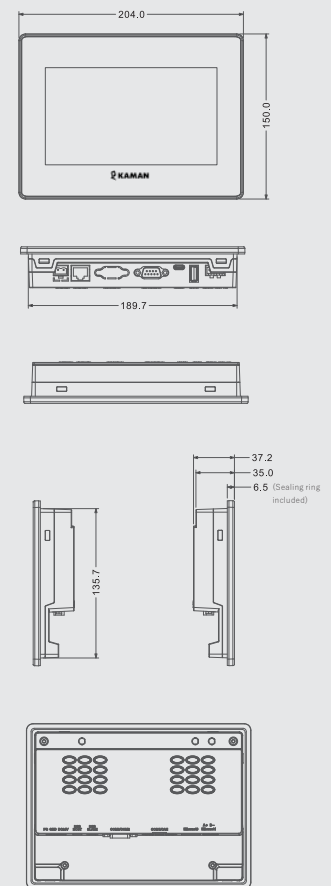
General Series Industrial HMI

KIH-G070-C



Specification	KIH-G070-C
Performance	
Display Size	7" TFT
Display Area	154.21(H) x 85.92(V)
Resolution	1024*600
Colors	16.7 million
Viewing Angle	85/85/85/85 (left/right/up/down)
Contrast Ratio	800:1
Backlight	LED
Brightness	450 cd/m ²
Backlight Life Time	30000 hours
Touch Panel	Tempered glass, capacitive type (surface hardness: 6H)
CPU	Quad-core ARM 1 GHz
Memory	256MB RAM + 4GB eMMC
RTC	Built-in
Expandable Memory	1*USB Host, 1*USB Slave(type-C)
Printer Port	USB Host / Serial port
Ethernet	LAN0:10/100Mbps
Program Download	USB Slave (Type-C)/U disk/Ethernet port
Communication Port	COM0:RS232/RS485/RS422; COM1:RS485; COM2:RS232
Power	
Input Power	DC18V ~28V
Power Consumption	7W@DC 24V
Allowable loss of power	<3ms
Insulation Resistance	Over 50MΩ@500V DC
Dielectric Resistance	500V AC 1 minute
Structure	
PCB	No
Shell material	Engineering plastic
Dimensions (W x H x D)	204 x 150 x 37 mm
Cut-out Dimensions	192 x 138 mm
Weight	0.5kg
Environment	
Operating Temperature	0 ~50°C
Operating Humidity	10~90%RH (Non-condensing)
Storage Temperature	-20~60°C
Storage Humidity	10~90%RH (Non-condensing)
Vibration Resistance	10 ~500Hz, 30m/s ² , 1 hour each for X, Y, Z directions
Cooling Method	Natural air circulation
Certification	
Panel Protection Grade	Front panel: IP65
Certificate	EN61000-6-4:2019, EN61000-6-2:2019
Software	
Configuration Software	Kaman Designer 2

Dimensions (mm)



General Series Industrial HMI

KIH-H070-O



Specification	KIH-H070-O
Performance	
Display Size	7" TFT
Display Area	154.21(H) x 85.92(V)
Resolution	800*480
Colors	16.7 million
Viewing Angle	85/85/85/85 (left/right/up/down)
Contrast Ratio	800:1
Backlight	LED
Brightness	250 cd/m ²
Backlight Life Time	30000 hours
Touch Panel	4-wire precision resistance network (surface hardness: 4H)
CPU	Quad-core ARM 800 MHz
Memory	128MB RAM + 256MB eMMC
RTC	Built-in
Expandable Memory	1*USB Host
Printer Port	USB Host / Serial port
Ethernet	LAN0:10/100Mbps
Program Download	USB Slave (Micro USB)/U disk/Ethernet port
Communication Port	COM0:RS232/RS485/RS422; COM2:RS232
Power	
Input Power	DC18V ~28V
Power Consumption	3.6W@DC 24V
Allowable loss of power	<3ms
Insulation Resistance	Over 50MΩ@500V DC
Dielectric Resistance	500V AC 1 minute
Structure	
PCB	No
Shell material	Metal
Dimensions (W x H x D)	190.4 x 110 x 30 mm
Cut-out Dimensions	166.7 x 101.6 mm
Weight	0.3kg
Environment	
Operating Temperature	0 ~50°C
Operating Humidity	10~90%RH (Non-condensing)
Storage Temperature	-20~60°C
Storage Humidity	10~90%RH (Non-condensing)
Vibration Resistance	10 ~500Hz, 30m/s ² , 1 hour each for X, Y, Z directions
Cooling Method	Natural air circulation
Certification	
Panel Protection Grade	Front panel: IP65
Certificate	EN61000-6-4:2019, EN61000-6-2:2019
Software	
Configuration Software	Kaman Designer

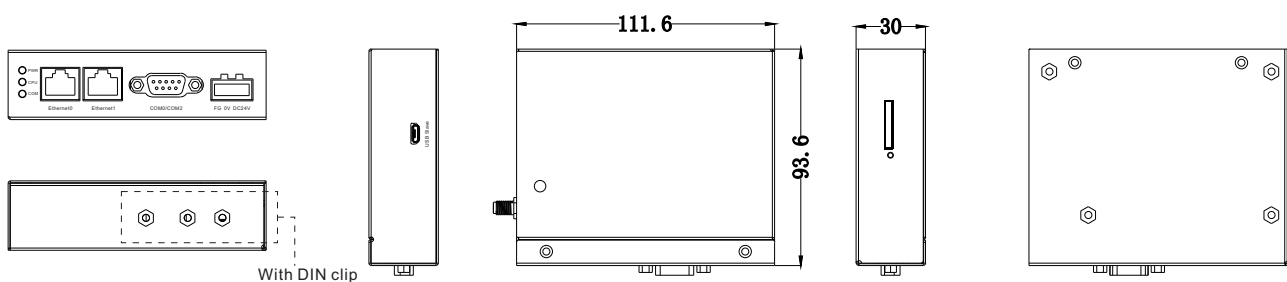


High Series Industrial Converter

KIH-BOX-G/KIH-BOX-W

Model	KIB-BOX-G	KIB-BOX-W
Performance specification		
CPU	ARM RISC 32Bit 800MHz	
Storage	256MB NAND FLASH+128MB DDR3 Memory	
RTC	built-in real-time clock	
Ethernet	2*10/100M self-adaption	
USB	1*USB Slave	
Program download	USB Slave/Ethernet/WiFi	
Communication port	COM0:PLC RS232/RS422/RS485； COM2:PC/PLC RS232	
Electrical specifications		
Input power supply	DC12V – DC28V ,Built in isolated power supply	
Rated power	1.5W	
Allowable loss of power	<3ms	
Insulation resistance	over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 min	
Structure specifications		
PCB	none of spraying	
Shell color	black	
Shell material	Metal	
Shape size	111.6mm*93.6mm*30mm	
Installation method	DIN rail installation (35mm)	
Weight	0.31Kg	
Environmental specifications		
Working Temperature	-10 ~ 55℃	
Working Humidity	10 ~ 90 % RH （non-condensing）	
Storage Temperature	-20 ~ 60℃	
Storage Humidity	10 ~ 90 % RH （non-condensing）	
Sine vibration test	10 ~ 500Hz, 30m/s², X, Y, Z direction/hour	
Cooling mode	Natural air cooling	
Product certification		
Panel protection grade	IP20	
Software		
Version	General version	Wide version
Configuration software	Kaman Designer	

Mechanical Dimensions (Unit: mm)



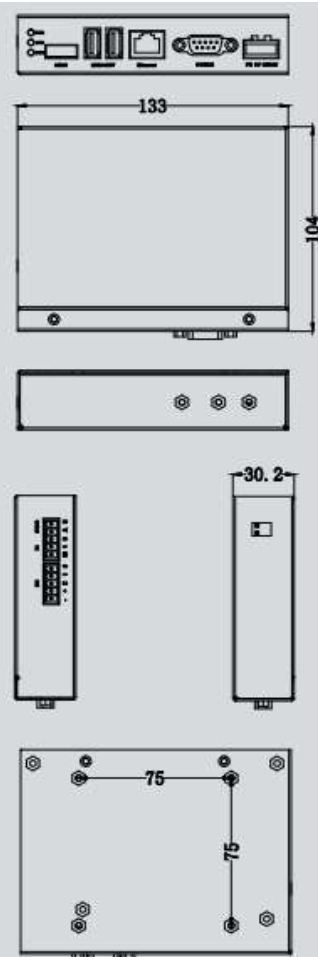
High Series Industrial Converter

KIH-BOX-HD



Specification	KIB-BOX-HD
Performance	
CPU	32bit RISC Cortex-A9 1GHz
Memory	512MB RAM + 4GB eMMC
HDMI	1*HDMI V1.4 Full HD(1920*1080@60HZ)
Expandable Memory	2*USB Host
Ethernet	10/100 Mbps
Program Download	USB Slave (Micro USB)/U disk/Ethernet port
Network Access	Ethernet
IO	Two digital inputs (programmable, standard 24V source type), 3-channel digital output (programmable, standard 24V source type)
Communication Port	COM0:RS232/RS485/RS422; COM1:RS485; COM2:RS232
Power	
Input Power	DC12V ~28V
Power Consumption	2.4W@DC 24V
Allowable loss of power	<3ms
Insulation Resistance	Over 50MΩ@500V DC
Dielectric Resistance	500V AC 1 minute
Structure	
PCB	None
Shell material	Metal
Dimensions (W x H x D)	133 x 104 x 30.2 mm
Cut-out Dimensions	DIN rail mounting (35mm)
Weight	0.47kg
Environment	
Operating Temperature	0 ~55°C
Operating Humidity	10~90%RH (Non-condensing)
Storage Temperature	-30~80°C
Storage Humidity	10~90%RH (Non-condensing)
Vibration Resistance	10~25Hz (X, Y, Z direction 2G/30 min)
Cooling Method	Natural air circulation
Certification	
Panel Protection Grade	Front panel: Ip20
CE Certificate	(EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)
Software	
Configuration Software	Kaman Designer

Dimensions (mm)

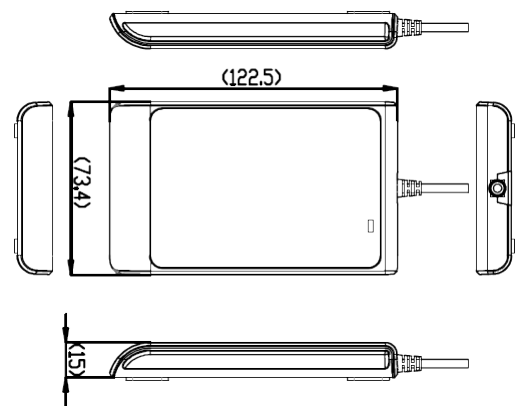


High Series Industrial Converter KIR-001



Model	KIR-001
Parameters	
Operating Voltage/Power Consumption	+5V/0.3W
Communication Port	USB
Port Type	USB Type A
Transmit Power	0.2W
Supported Protocols	ISO14443A/B,ISO15693/ISO18000-3M1
Read Range	5cm
Operating Temperature	-10°C~65°C
Dimensions	122 x 73 x 15 mm
Material	ABS

Dimensions (mm)



SN	Port Type	Pin Definition	Description
CON1	USB Type A plug	PIN1	+5V
		PIN2	D-
		PIN3	D+
		PIN4	GND
LED	LED indicator	Solid green	Device operating normally
		Flashing green	Electronic tag reading succeeded

