

Generation II HC/PC Series Controller

Basic Installation Instructions v1.8

1. Applicable Controller Series:

This manual applies to the controllers below.

	Serial Name	Product Name
1	F11-HC8C-S	HC8C-S Touch Panel Controller
2	F11-8C-80MI-S	80MI Touch Panel Controller
3	F11-HC10C-S	HC10C-S Touch Panel Controller
4	F11-10C-80MI-S	80MI Touch Panel Controller
5	F11-HC10C-S-NF	HC10C-S Touch Panel Controller _Frameless
6	F11-HC15C-S	HC15C-S Touch Panel Controller
7	F11-60PC-S	60PC-S Touch Panel Controller
8	F11-HC10C-K	HC10C-K_ Touch Panel Controller

2. Interface Specifications

(Front View)

(HC8C-S Touch Panel Controller)

(HC10C-S/60PC-S Touch Panel Controller)



(HC10C-S_Frameless Touch Panel Controller)

(HC15C-S Touch Panel Controller)

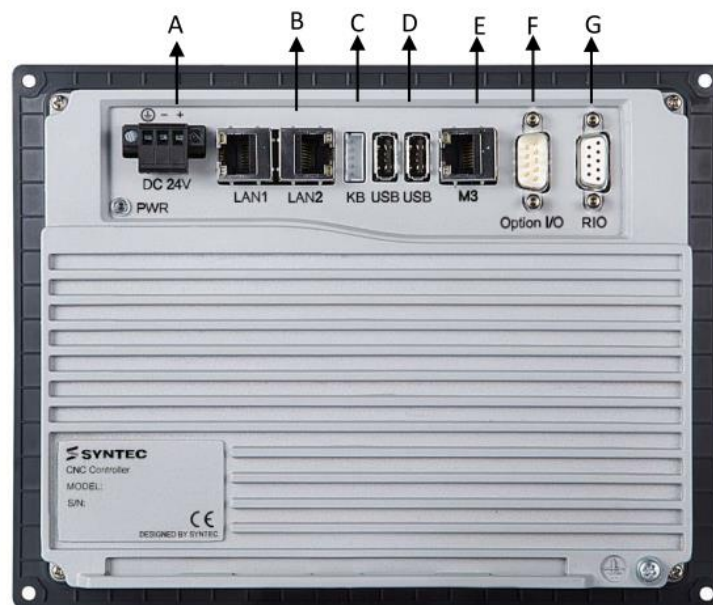


(HC10C-K Touch Panel Controller)



A	8-inch monitor	Display Window	C	Power Indicator Light	Indicator Light
B	10-inch monitor	Display Window	D	Flip Cover	USB Port
E	Buttons	F1-F8 Functions			

(Rear View)

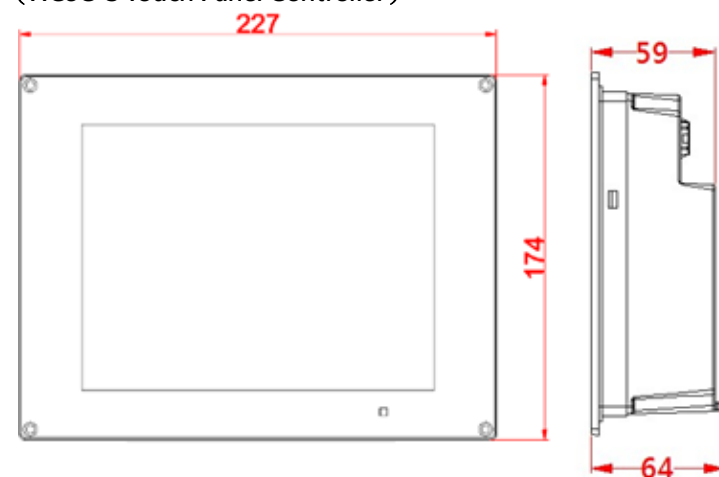


A	DC 24V INPUT	Power Input DC 24V(1A)
B	LAN1&2	Two sets of 10/100M Internet Interface
C	KeyBoard	Keyboard Interface
D	USB	Two sets of USB2.0 Host
E	Mechatrolink 3	M3 Serial Servo Communication Interface
F	Option I/O	A set of SRI & a set of RS485
G	RIO PORT	RIO interface, able to connect to a set of HIKO and a setoff IO module.

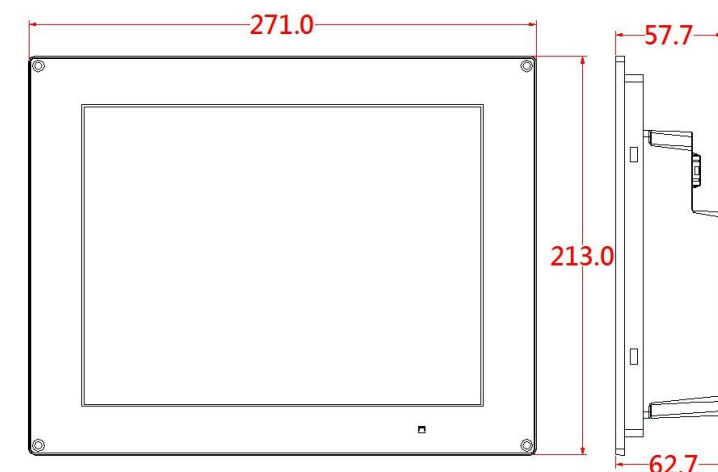
※Notice : To ensure communication quality, the length of USB extension cords in use shall not exceed five meters. Besides, do not charge or supply power via the USB port; otherwise, it may cause controller malfunction.

3. External Dimensions (Unit : mm)

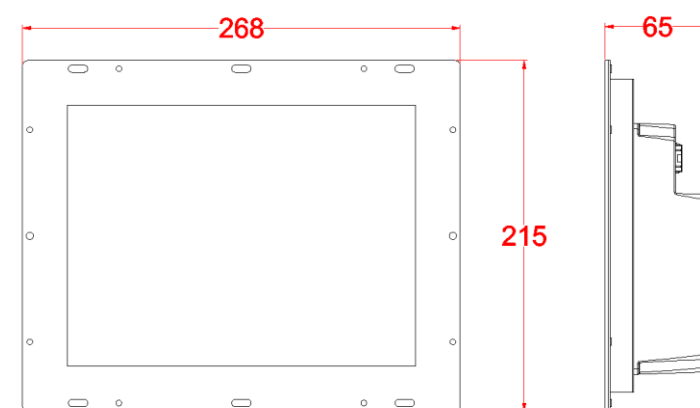
(HC8C-S Touch Panel Controller)



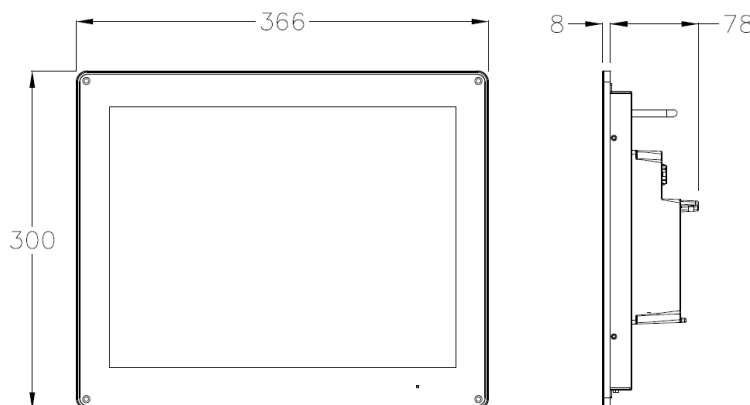
(HC10C-S/60PC-S Touch Panel Controller)



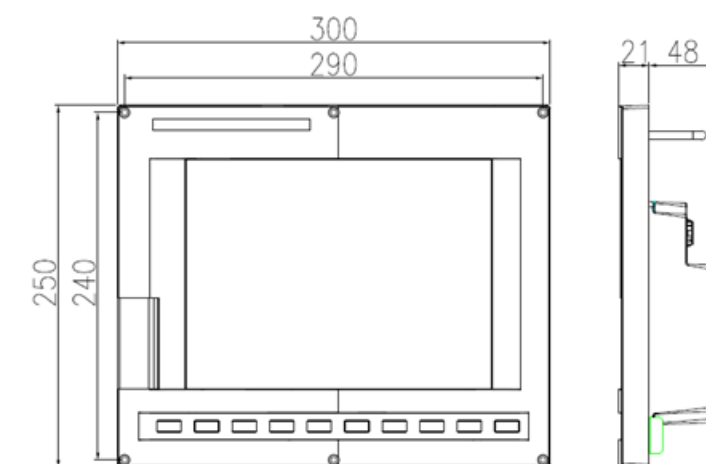
(HC10C-S_Frameless Touch Panel Controller)



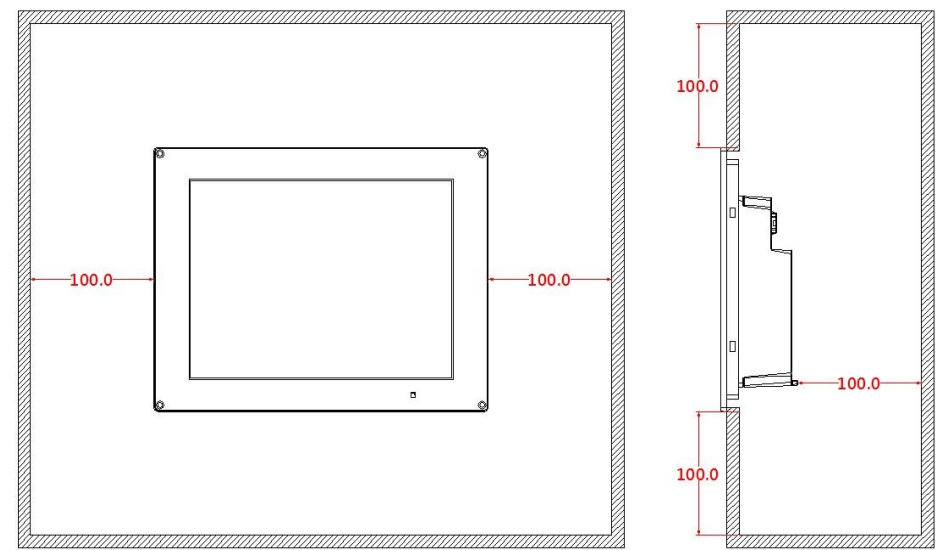
(HC15C-S Touch Panel Controller)



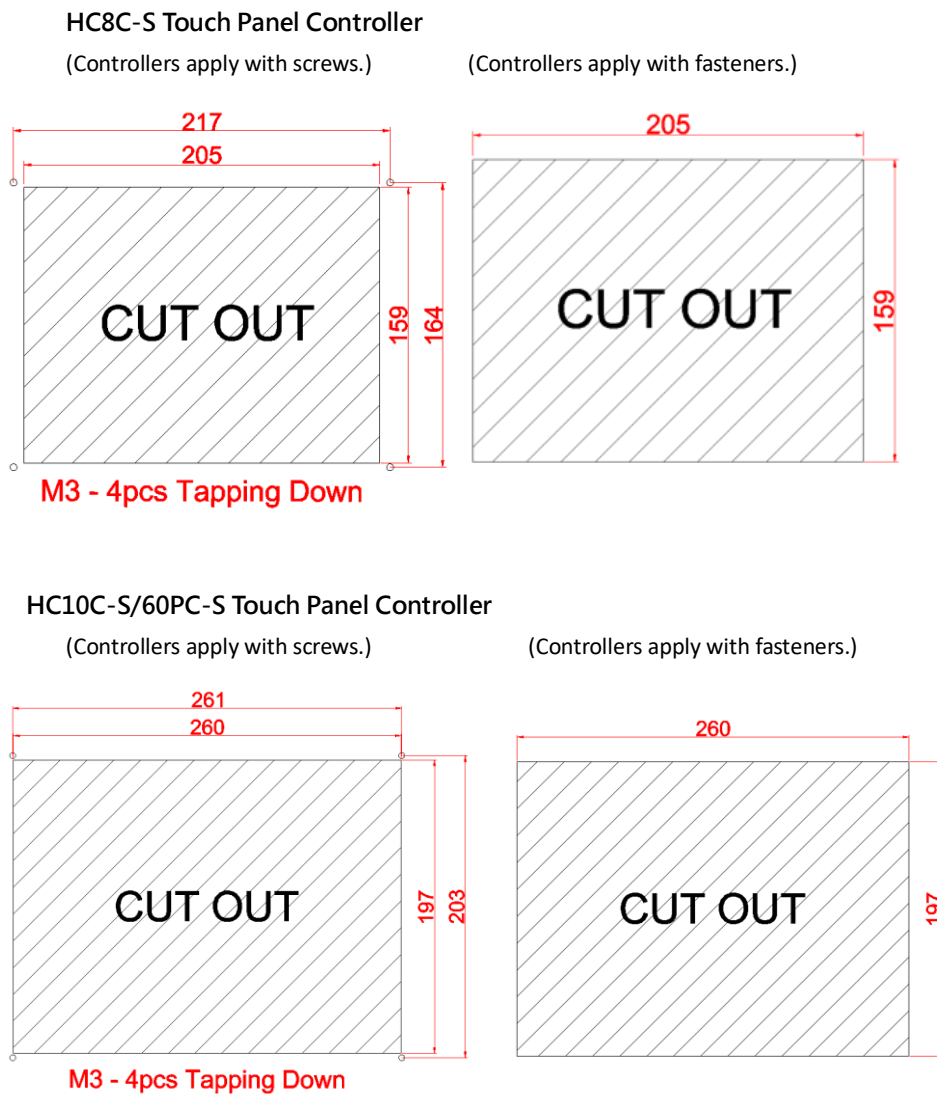
(HC10C-K Touch Panel Controller)



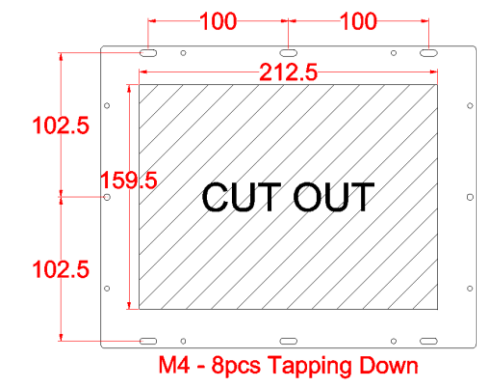
4. Installation Specifications (Unit : mm)
(Front View)



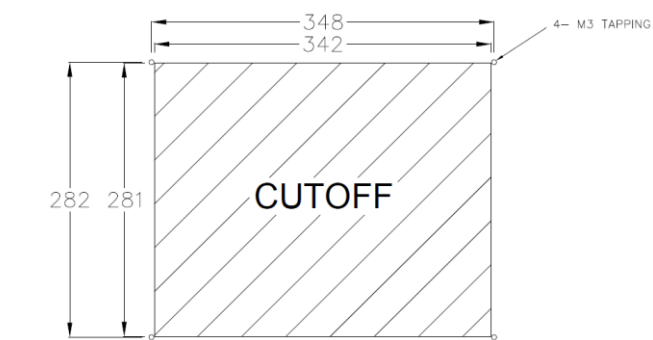
5. Mounting Hole Specifications (Unit : mm)



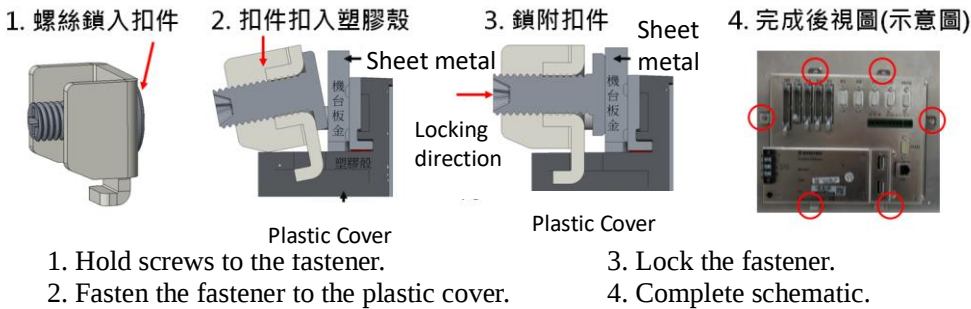
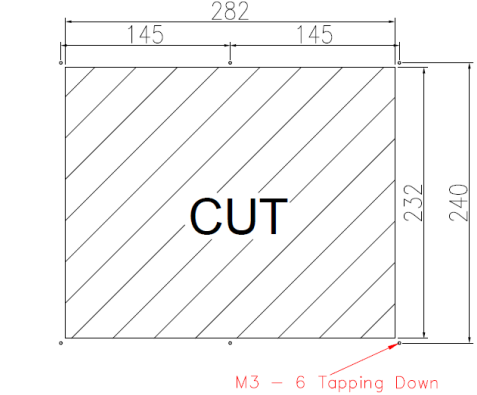
HC10C-S_ Frameless Touch Panel Controller (Controllers apply with screws.)



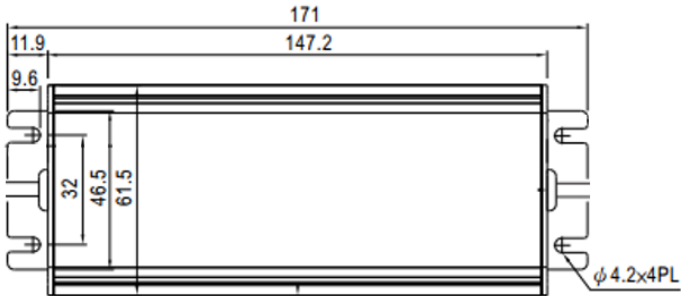
HC10C-S_ Frameless Touch Panel Controller (Controllers apply with screws.)



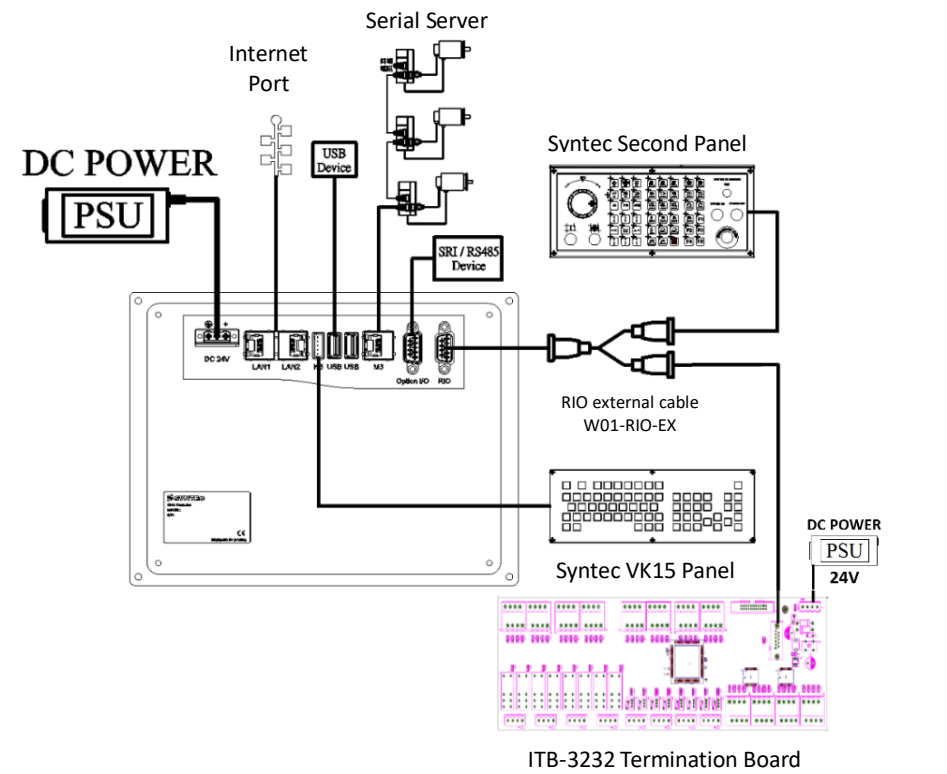
HC10C-K_ Frameless Touch Panel Controller (Controllers apply with screws.)



(Adapter)



6. Basic Wiring Diagram

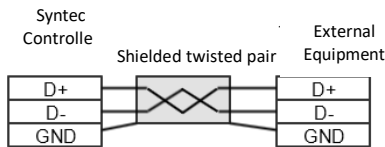


7. Interface Configurations

Please notice the value and polarities of voltages.

● Option I/O & SRI Connector Arrangement

SRI/Option I/O	PIN	SIGNAL	PIN	SIGNAL
	1	SRI5 +	6	RS485_D-
	2	SRI5 -	7	RS485_D+
	3	--	8	--
	4	--	9	5V
	5	GND	10	--



※Notice : Please apply shielded twisted pair when using the RS485 interface. Besides the D+ and D- signal cable, please make sure the air gap is connected to GND on both sides to prevent the RS485 interface from burning down.

● RIO Connector Arrangement

RIO	PIN	SIGNAL	PIN	SIGNAL
	1	RIO1-TX+	6	RIO2-TX+
	2	RIO1-TX-	7	RIO2-TX-
	3	RIO1-RX+	8	RIO2-RX+
	4	RIO1-RX-	9	RIO2-RX-
	5	--	10	--

● M3 Connector Arrangement

M3	PIN	SIGNAL
	1	TX+
	2	TX-
	3	RX+
	4	--
	5	--
	6	RX-
	7	--
	8	--

● LAN Connector Arrangement

LAN	PIN	SIGNAL
	1	TX+
	2	TX-
	3	RX+
	4	---
	5	---
	6	RX-
	7	---
	8	---