



SV-2201/ SV-3201/4201/5201/6201

SmartView with Different LCD Touch Screen Sizes
Panel PAC (Linux OS)

Features

- Provides HMI IDE Software: Creator
- Supports Active M2M Transmission Mechanism: MQTT
- Makes connectivity for the "Internet of Things" devices easily.
- 7"/8.4"/10.4"/12.1"/15" LCD
- Resolution: 800 x 480 ~ 1024 x 768
- Resistive Touch Panel
- NEMA 4/IP65 Compliant Front Panel
- Operating Temperature: -10 ~ +60 °C



Introduction

SmartView is a series of touch controller developed by ICP DAS. In addition to traditional HMI production processing operation and information display, diversity of communication interfaces such as Ethernet, Power-over-Ethernet, RS-232, and RS-485 meet the requirements to control and integrate in every Industrial 4.0 environment. With the strong and NEMA4/ IP65 compliant touch panel, SmartView makes you no worries even in the harsh field.

In recent years, touch-controlled devices are getting more and more important in the trends of visualization in manufacture industry. SmartView provide Creator tools that not only for the basic HMI display, but with built-in logic control (Macro) for different field requirements. Highly flexibility Datalog function can continuously record data and can export data into CSV files. In addition, SmartView support external storage medium like USB drive and MicroSD memory card to make it easy for users to access files for subsequent on-site data analysis.



System Specifications

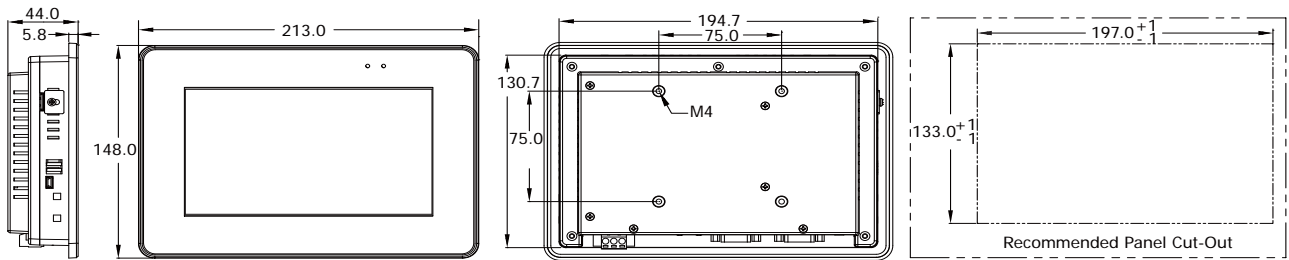
Model	LCD	Flash	SDRAM	Memory Expansion	Ethernet	I/O slot	COM port
SV-2201	7" (800 x 480)	512 MB	512 MB	microSD	1	-	2
SV-3201	8.4" (800 x 600)			SD			
SV-4201	10.4" (800 x 600)						
SV-5201	12.1" (800 x 600)						3
SV-6201	15" (1024 x 768)						

■ Specifications

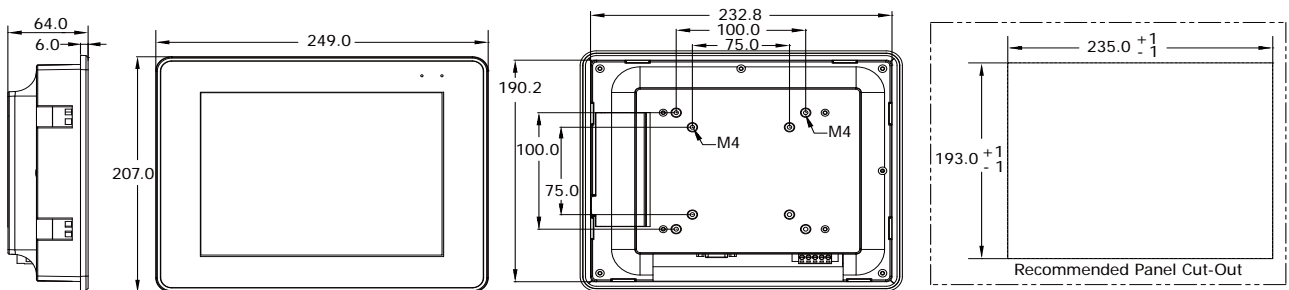
Models	SV-2201	SV-3201	SV-4201	SV-5201	SV-6201
Development Software					
Creator	Creator is an HMI Integrated Development Environment (IDE) software toolkit for designing the SmartView Panel PC				
LCD Display					
Size	7" (16:9)	8.4" (4:3)	10.4" (4:3)	12.1" (4:3)	15" (4:3)
Resolution	800 x 480	800 x 600			1024 x 768
Brightness (cd/m ²)	400				
Contrast Ratio	500 : 1				
LED Backlight Life (hrs)	20,000	50,000			
Touch Panel	4-wire, resistive type; Light transmission: 80%	5-wire, resistive type; Light transmission: 80%			
LED Indicator	2 (PWR, Run)				
System Software					
OS	Linux				
CPU Module					
CPU	RISC-based				
SDRAM	512 MB				
MRAM	128 KB				
Flash	512 MB				
Memory Expansion	microSD socket (support up to 32 GB)	SD socket (support up to 32 GB)			
EEPROM	16 KB				
RTC (Real Time Clock)	Yes				
Hardware Serial Number	Yes, 64-bit Hardware Serial Number				
Rotary Switch	Yes (0~9)				
DIP Switch	-	Yes (6 bit)			
Communication Interface					
Ethernet	1x RJ-45, 10/100/1000 BaseTX				
USB 2.0 (host)	2				
COM1	RS-232/485; 2500 VDC isolated	-	RS-232/485 (DB9 connector); 2500 VDC isolated		
COM2	RS-232/485 ; 2500 VDC isolated				
COM3	-	RS-485 (Terminal Block, Data+, Data-); 2500 VDC isolated			
Audio	Earphone-out				
Mechanical					
Dimensions (W x H x D, mm)	213 x 148 x 44	249 x 207 x 64	291 x 229 x 54	324 x 255 x 64	381 x 305 x 63
Panel Cut-Out (W x H, mm)	197 x 133, ± 1	235 x 193, ± 1	277 x 215, ± 1	310 x 241, ± 1	362 x 286, ± 1
Installation	Panel Mounting, VESA (75 x 75) Mounting				
Ingress Protection	Front Panel: NEMA 4 /IP65				
Environment					
Operating Temperature	-10 ~ +60°C				
Storage Temperature	-20 ~ +70°C				
Ambient Relative Humidity	10 ~ 90% RH (non-condensing)				
Power					
Power From Terminal Block	Yes, +12 ~ +48 VDC				
Power from PoE	Yes, IEEE 802.3af				
Isolation	1 kV				
Consumption	6 W	7.5 W	13 W	14 W	16 W

■ Dimensions

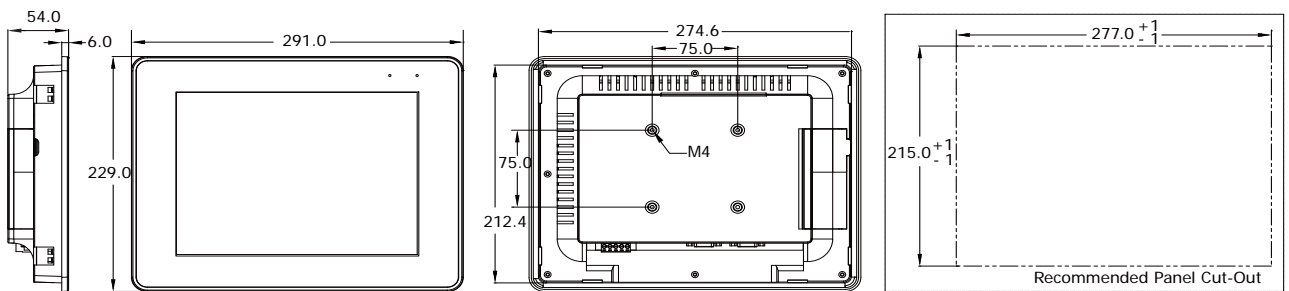
SV-2201



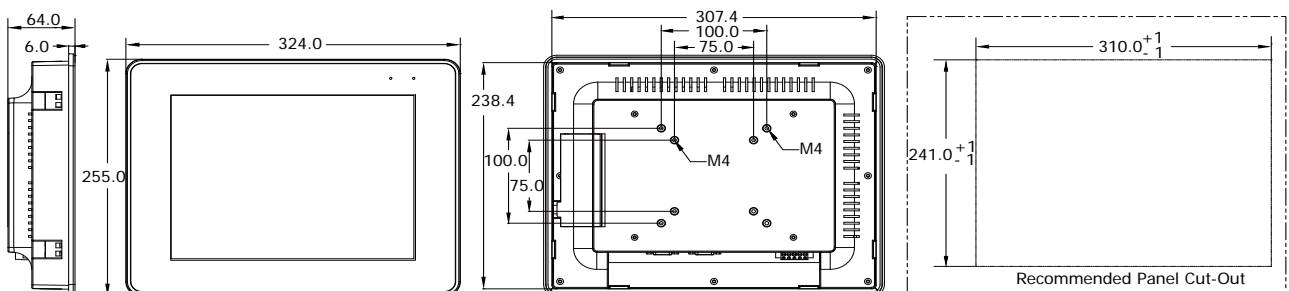
SV-3201



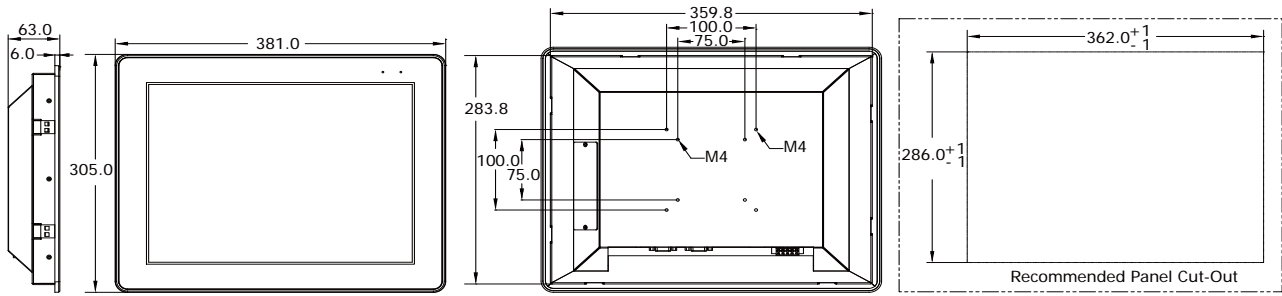
SV-4201



SV-5201



SV-6201



Appearance

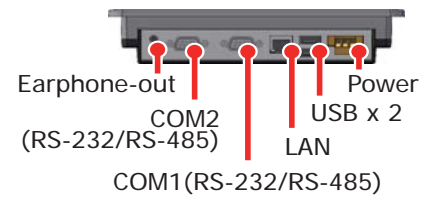
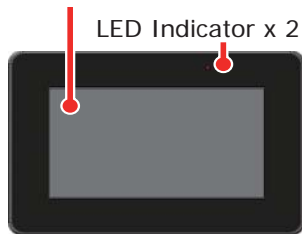
SV-2201

microSD Socket



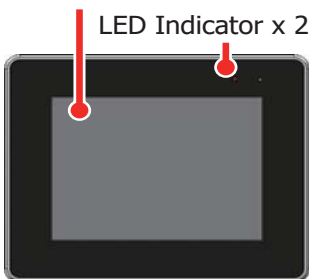
Rotary SW.

7" LCD Touch Panel



SV-3201

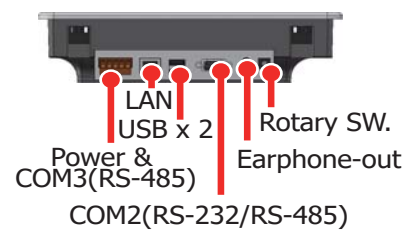
8.4" LCD Touch Panel



Console Port (Reserved)

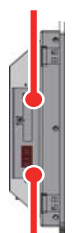


SD Socket
DIP SW.



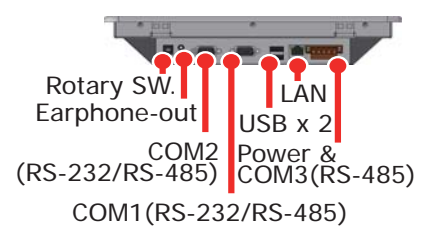
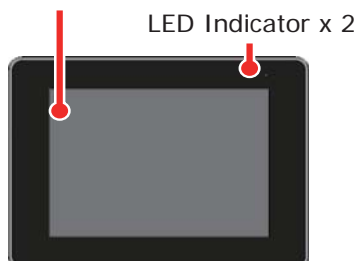
SV-4201

SD Socket



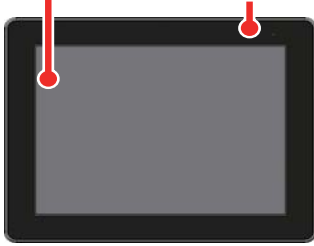
DIP SW.

10" LCD Touch Panel



SV-5201

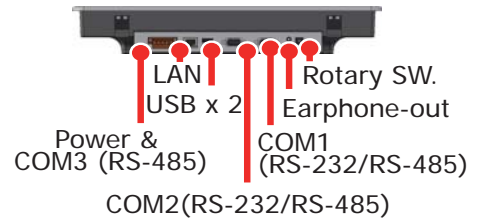
12.1" LCD Touch Panel
LED Indicator x 2



DIP Switch



SD Socket



SV-6201

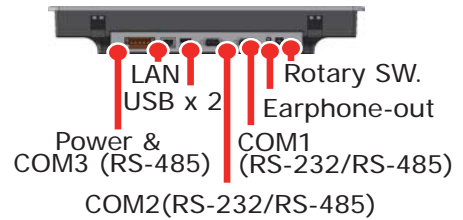
15" LCD Touch Panel
LED Indicator x 2



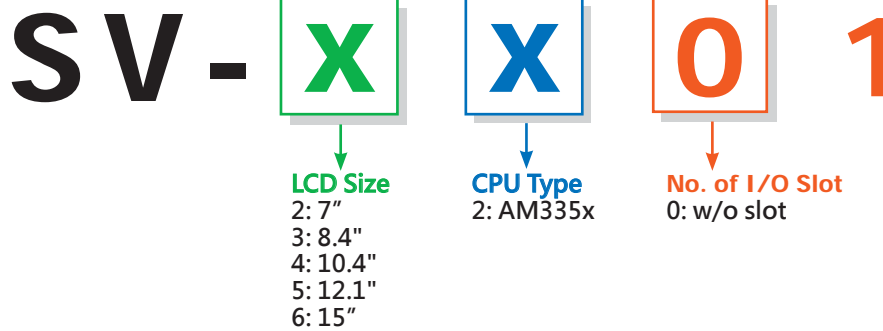
DIP Switch



SD Socket



SmartView Selection Guide



Ordering Information

SV-2201	7" SmartView (Linux OS)
SV-3201	8.4" SmartView (Linux OS)
SV-4201	10.4" SmartView (Linux OS)
SV-5201	12.1" SmartView (Linux OS)
SV-6201	15" SmartView (Linux OS)

Accessories

DIN-KA52F	24 V/1.04 A, 25 W Power Supply with DIN-Rail Mounting
MDR-20-24	24 V/1 A, 24 W Power Supply with DIN-Rail Mounting
CA-0950-3W	5.0 M 3-Pin Male to Female D-sub RS-232 Cable w/Ferrite Core