

IEC 61850-3, IEEE1613 Substation Fanless System



- Intel® Core™ i7-9700TE, 8C, 1.8/3.8GHz, 12MB cache, TDP 35W
- 2 x DDR4-2666MHz, SO-DIMM up to 64GB
- 2x 2.5" Easy swap SSD Tray
- 2 x PCIe expansion slot (PCIe Gen3.0 x 8)
- 2x RJ45 LAN
- 6 x USB3.0, 2x USB2.0 ,1x DP, 1x DVI-I, 1 x HDMI
- 2 x RS232/422/485 (Support Power 5V/12V)
- Operation Temp. -20 °C to 60°C

Specifications

System

CPU Type	Intel 9th ® Core i7-9700TE, 8C, 1.8/3.8GHz, 12MB cache, TDP 35W
Chipset	Intel® C246
Memory Type	DDR4 2666MHz, 2 x 260-pin SO-DIMM, Max. 64GB
Expansion Slot	2 x PCIe 3.0 x 8
Storage Device	2 x 2.5" Easy swap SSD Tray

Front I/O

Power Button	1 x Power Button w/Indicator LED
LED	1 x PWR LED ; 1 x HDD LED
HDMI	1 x HDMI 1.4
USB	2 x USB 3.0

Rear I/O

COM	2 x RS232 / 422 / 485 (Support Power 5V / 12V)
Ethernet	2 x RJ45
USB	4 x USB 3.0, 2 x USB 2.0
PS/2	1
DisplayPort	1 x DP1.2
DVI-I	1 x DVI-I
Terminal Block	1 x 2Pin Terminal Block Remote Power ON/OFF
	1 x 2Pin Terminal Block Remote Reset
	1 x 4Pin Terminal Block External FAN Connector
	1 x 3Pin Terminal Block Power Input
Audio	1 x Mic-in, 1 x Line-out
DC-IN	1 x 9~48V

Mechanical and Environmental

Dimension (W x H x D)	170 x 264 x 250 mm(W x D x H)
System Design	Fanless
Mounting	Rackmount Cube
Operating Temp.	-20°C to 60°C (35W CPU)

(ambient with air flow)

Storage Temp.	-40°C to +85°C
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Relative Humidity	5% to 95%, non-condensing
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OS support list

Windows	Windows 10 64 Bit
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Linux	Ubuntu14.04 , Fedora 20/23 , RedHat Linux EL 7.1/7.2 (By Request)
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Certification

EMC	CE , FCC Certification
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Green Product	RoHS , WEEE compliance
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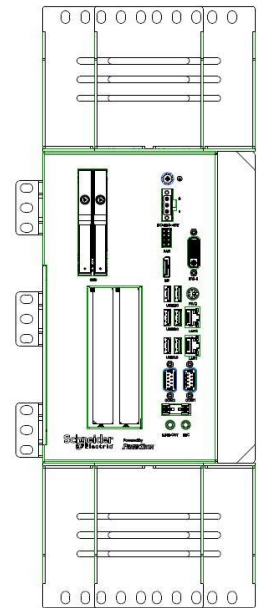
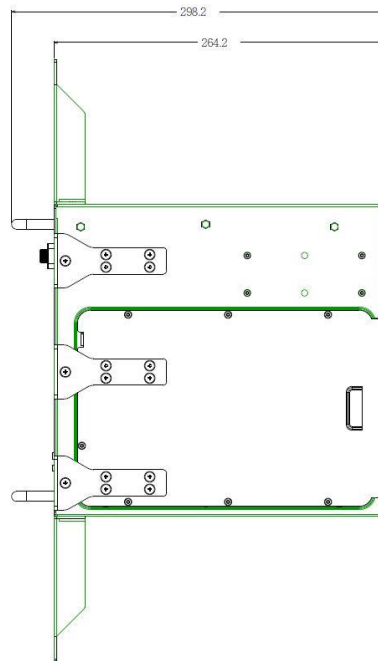
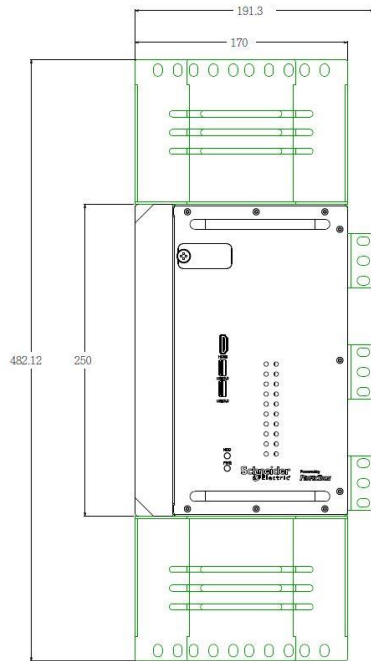
Ordering Information

SCH-3X1

IEC-61850-3 , IEEE-1613 Substation Fanless Computer with Intel® Core™ i7-9700TE

2 x 2.5" Easy swap SSD Tray, 2 x PCIe expansion slot, 2 x RJ45 LAN , 6 x USB 3.0 , 2 x USB 2.0 , 1 x PS/2, 1 x DP , 1x DVI,1 x HDMI ,
2 x COM(RS232/422/485), 1 x Mic-in / 1 x Line-out, 9~48V DC-IN, 2Extend Temp -20 to 60°C

Dimension



Appearance

