



# SCN700

IEC61850-3, IEEE-1613 2U  
FANLESS SUBSTATION



## POWER AUTOMATION COMPUTER

- Intel 9<sup>th</sup>. Core i9-10900TE Processor
- 2xDDR4 up to 64GB
- 4 x LAN (RJ45), 2 x COM (DB9) , 6 x USB, 2 x DP, 1 x VGA, 1 x DVI-D
- 2 x 2.5" Easy swap SSD/HDD Tray (RAID 0/1)
- 2 x PCIE Expansion Slots
- Trusted Platform Module

# Specifications

## SYSTEM

|                |                                                                                                                                                                                                                    |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU            | 10th Generation Intel® Core™ i9/i7/i5 Processors<br>Intel® Core™ i9-10900TE(20M Cache, up to 4.60 GHz)<br>Intel® Core™ i7-10700TE(16M Cache, up to 4.50 GHz)<br>Intel® Core™ i5-10500TE(12M Cache, up to 3.70 GHz) |
| Memory type    | 2 x DDR4 up to 64GB                                                                                                                                                                                                |
| Expansion Slot | 2 x IO Expansion Slots<br>1 x MXM 3.1 Slot                                                                                                                                                                         |
| Storage Device | 4 x 2.5" Easy swap HDD/SSD Tray                                                                                                                                                                                    |

## REAR I/O

|              |                  |
|--------------|------------------|
| Power Button | 1 with backlight |
| Indicator    | 1 HDD backlight  |
| USB          | 2 x USB 2.0      |

## FRONT I/O

|             |                     |
|-------------|---------------------|
| Power Input | 24V DC-IN           |
| LAN         | 4 x RJ45 LAN        |
| USB         | 4 x USB 3.0         |
| Display     | 2 x DP<br>1 x DVI-D |
| VGA         | 1 x VGA             |

## OPTIONAL

|                   |                                               |
|-------------------|-----------------------------------------------|
| Serial Ports      | 2 x COM ports ((2 x RS232/422/485, 4 x RS232) |
| DIO               | 16-bit (8 in/8 out)                           |
| 48V DC Input      | 48V DC Input                                  |
| NVIDIA GPU Module | NVIDIA 1050Ti / RTX2060 GPU                   |
| Dual 10GbE Module | INTEL X710 Dual 10GbE                         |
| Redundant Power   | 220VAC/DC Redundant Power Supply              |

## OS SUPPORT LIST

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Windows           | Windows 8.1 x32/ x64 、 Windows 10 x32/ x64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Linux             | Fedora 15, Ubuntu, Red Hat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Power Requirement | Wide Range 90~260V AC-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Dimension         | 430 x 396 x 88 mm ( W x D x H )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Operating Temp.   | -20 to 60°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Storage Temp.     | -40°C to 85°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Relative Humidity | 5% to 95%, non-condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Certification     | CE, FCC, MIL-STD 810G Compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| System Design     | Fanless                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Mounting          | 2U Rackmount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MIL-STD-810G Test | Method 507.5, Procedure II (Temperature & Humidity)<br>Method 516.6 Shock-Procedure V Non-Operating (Mechanical Shock)<br>Method 516.6 Shock-Procedure I Operating (Mechanical Shock)<br>Method 514.6 Vibration Category 24/Non-Operating (Category 20 & 24, Vibration)<br>Method 514.6 Vibration Category 20/Operating (Category 20 & 24, Vibration)<br>Method 501.5, Procedure I (Storage/High Temperature)<br>Method 501.5, Procedure II (Operation/High Temperature)<br>Method 502.5, Procedure I (Storage/Low Temperature)<br>Method 502.5, Procedure II (Operation/Low Temperature)<br>Method 503.5, Procedure I (Temperature shock) |
| EMC               | CE, FCC compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Green Product     | RoHS, WEEE compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Ordering Information

### SCH400

2U 19" Power Automation Fanless Server Computer with Intel. 10th gen Core i7 Processor, 4x RJ45, 2x COM ports, 'Wide range 90~260V AC-in, Operating Temperature -20~+60°C

### SCH400-GW

2U 19" Power Automation Fanless Server Computer with Intel. 6th gen Core i7 Processor, NVIDIA 1050Ti / 1080 GPU, 8x RJ45, 6 x COM ports, 1 x 16-bit DIO, INTEL X710 Dual 10GbE, 48V DC Input, 220VAC/DC Redundant Power Supply, Operating Temperature -20~+60°C

# Dimension

