

Component List

Module list		
Model	Description	
SCU5010	Safety controller	SIL3, Support up to 500 Safe IO and up to 16 extend chassis; Support redundancy, Plug& Play,Interface: 2xRJ45,1xRS485;
SIM5010	I/O Bus extend module	To extend IO Bus from Main chassis to Extend chassis, SIL3
MCN5020	Main rack (18 slots)	18 Slots (2 slots for controller, plus 16 IO slots), SIL3
MCN5021	Extend rack (18 slots)	18 Slots (2 slots for SIM5010, plus 16 IO slots), SIL3
SAI5010-H	Safety Analog Input Module	8 channels, Input: 4~20mA+HART, SIL3
SAI5020	Safety Analog Input Module	16 channels, Input:4~20mA,SIL3
SDI5010	Safety Digital Input module	16 channels, Input: Contact, SIL3
SDO5010	Safety Digital Output Module	16 channels, Output: Contact, SIL3
Software List		
Model	Description	
ContriXPlus	Configuration Software Media	Software Package(Disk)
TCS500-CFG	Configuration Software License	Software License
TCS500-SOE	TCS-500 SOE Software License	SOE Software License

Certification



TUV SUD



CE EMC



CE LVD

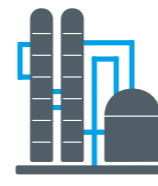


TUV G3

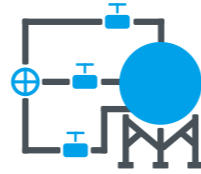
Application Industry



Petrochemical



Fine Chemical



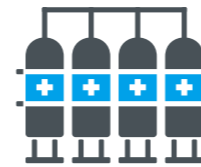
Oil & Gas Pipeline



Offshore Production



Coal Chemical



Pharmaceutical



Metallurgy



Food & Beverage



SUPCON
Highly Compact
Safety Instrumented System

TCS-500



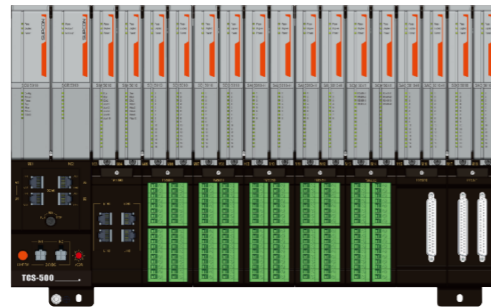
ZHEJIANG SUPCON TECHNOLOGY CO.,LTD.

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GM-BRO-HW-TCS500-EN-V1

Zhejiang SUPCON Technology Co., Ltd.
<https://global.supcon.com>

SUPCON Highly Compact Safety Instrumented System

TCS-500



With a compact design certified as safety level of SIL3, TCS-500 SIS(Safety Instrumented System) system couples safety with process availability, helps you safeguard your plant operation and maximize uptime.

TCS-500 SIS system provides all safety and critical control solutions for process industry, and complies with major industry standards for safety applications:

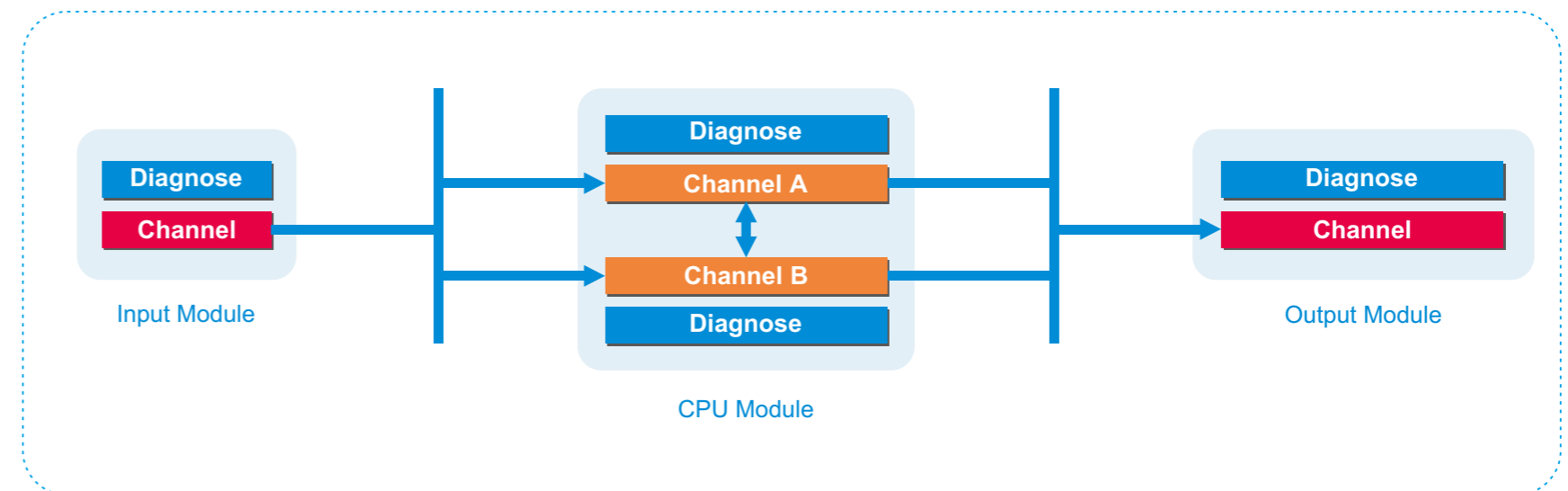
- Emergency Shutdown Systems(ESD)
- Process Shutdown Systems(PSD)
- Interlock Systems
- Critical Control
- Boiler/Burner Management(BMS)
- Fire Gas Protection/Detection(F&G)

System Features

- TUV SUD IEC61508 SIL3
- DMR configuration design
- Up to 300 points/cabinet (with external accessories)
- Support both standalone and integration with DCS.
- Flexible network topology: bus, ring, and star.

System Framework

The system is designed based on IEC61508, and adopts DMR architecture at safety level of SIL3.



Network Architecture

