SCADAPack

Smart RTU
Comparison Table for Hardware and Software

SCADAPack Modbus-centric Smart RTUs

Product Overview

A range of compact Smart RTUs that combines the capabilities of a Remote Terminal Unit with the power of a Programmable Logic Controller; designed to run in challenging, remote environments.

The SCADAPack™ 100 | 300 | 32 range is optimized for Modbus-centric control and monitoring applications providing smart controller platform solutions with energy-efficiency, ruggedness and cost-efficiency in mind.

Supporting open, event-driven protocols such as DNP3 and IEC 60870-5-101/-104, the SCADAPack 300E and 500E range provides a scalable controller platform that helps to ensure end-to-end, reliable and secure control and monitoring of remote assets in critical infrastructure.
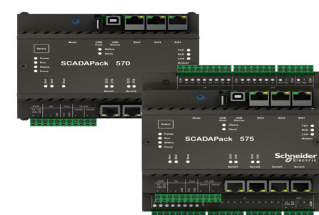
SCADAPack 570 | 575 Smart RTUs are the first models able to share programs with Modicon™ M340 | M580 PACs (Programmable Automation Controllers), abringing new and enabling technologies such as FDT2/DTM (user interface), Unity Pro™ logic (look & feel) and RemoteConnect™ software.

SCADAPack DNP3-centric Smart RTUs

SCADAPack 570 | 575 Smart RTUs

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Smart RTU Comparison Table
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Specifications

Quick Range Comparison Table: Hardware	SCADAPack E Series	SCADAPack Standard Series	SCADAPack 570 | 575
Features embedded into the SCADAPack device			
I/O Module compatibility			
SCADAPack 100		Not supported	
SCADAPack 32		* except 5608, 5610, 6601 & 6602	
SCADAPack 300		* except 5608, 5610, 6601 & 6602	
SCADAPack 300E	5304, 5405, 5411, 5414, 5415, 5505, 5506, 5606, 5607, 5608 & 5610		
SCADAPack 530E | 535E	5304, 5405, 5414, 5415, 5506, 6601 & 6602		
SCADAPack 570 | 575			5304, 5405, 5414, 5415, 5506, 5606, 5607, 6601 & 6602
Modbus protocol			
Master/Stave		Yes	
TCP/UDP	TCP	Yes	TCP (UDP as future implementation)
ASCII	No	Yes	Future implementation (tbc)
D_log (data logging)	No	Yes	Future implementation (tbc)
Master function blocks		Yes	
Scanner	Yes	No	Yes
Store & forward	No	Yes	Future implementation
External Serial GPRS/3G/LTE modem support (PPP)	Yes	No	Yes
DNP3 protocol			
Subset	Level 4	Level 2	Level 4
Secure Authentication	Option	No	Option
Events storage (typical value)	300E: 20,000 500E: 40,000	20,000	40,000
Data concentrator	Yes	No	Yes
Master/Slave/Peer-to-Peer	Yes	Master (Class 0), Slave	Yes
TCP/UDP		Yes	
Routing between ports	Yes	Limited	Yes
External Serial GPRS/3G/LTE modem support (PPP)	Yes	No	Yes
IEC 60870-5-101/104 protocol			
Slave	Yes	No	Yes
External Serial GPRS/3G/LTE modem support (PPP)	Yes	No	Yes
HART protocol			
Pass-thru	Yes	No	Yes
Function block for standard data	Yes	No	Yes
SCADAPack 5904 HART communication module support	No	Yes	No
SCADAPack 6602 HART module support	No	No	Yes
Eaton MTL4851 multiplexer support	Yes	No	No

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Specifications - continued

Quick Range Comparison Table: Hardware	SCADAPack E Series	SCADAPack Standard Series	SCADAPack 570 | 575
Features embedded into the SCADAPack device			
Embedded applications			
Realflo™ (Flow Computer)	No	**Option**	**Future implementation**
Realift™ (Artificial lift)	Option	**No**	**Future implementation**
RealStream™ (Lift Station, etc.)	Option	**No**	**Future implementation**
Embedded logic			
IEC 61131-3 Logic	SPE WB3 or WB6/target 5	SP WB3 or WB6/target 3	SPx70 logic
Ladder Logic	No	Telepace™	**Future implementation** (SPx70 logic LD subset only)
Ladder Logic	No	Yes	**Future implementation (tbc)**
Remote SCADAPack management (configurable changes, logic program downloads, RTU firmware or diagnostics)			
Change RTU configuration	Yes		
Download new RTU logic program	Yes		
Update RTU firmware	Yes		
RTU diagnostics	Yes	Limited	Yes
Protocol used (to perform these operations from the corresponding software tools)	DNP3	Modbus	DNP3 **(or Modbus TLS as future implementation)**

Quick Range Comparison Table: Software	SCADAPack E Series	SCADAPack Standard Series	SCADAPack 570 | 575
Features embedded into the SCADAPack device			
Software tools			
Configuration software	SCADAPack E configurator	Telepace Studio or SCADAPack WB6 (CAM3)	RemoteConnect
IEC 61131-3 logic programming software	SCADAPack WB6 (CAM5)	SCADAPack WB6 (CAM3)	RemoteConnect
Ladder logic programming software	No	Telepace Studio	**Future implementation** (SPx70 logic LD subset only)
C/C++ applications support	No	Yes	No
ClearSCADA™ software as Centralized Remote Management tool	Yes	No	**Future implementation** (projected for 2018)
Ability to import Unity Pro DFB's and/or program sections	No	No	Yes

Footnotes:* All modules: 5302, 5304, 5401, 5402, 5403, 5404, 5405, 5406, 5407, 5408, 5409, 5410, 5411, 5414, 5415, 5421, 5502, 5504, 5505, 5506, 5521, 5606, 5607, 5608, 5610, 6601, 6602. **Disclaimer:** Consult the SCADAPack hardware manuals for more information. May be subject to export restrictions. Please contact your Process Automation SCADA & Telemetry business development representative for more details. Not all product features are available in every mode of operation. For detailed product specifications please refer to the individual data sheets & user manuals. Schneider Electric reserves the right to change product specifications. For more information, visit www.schneider-electric.com.

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