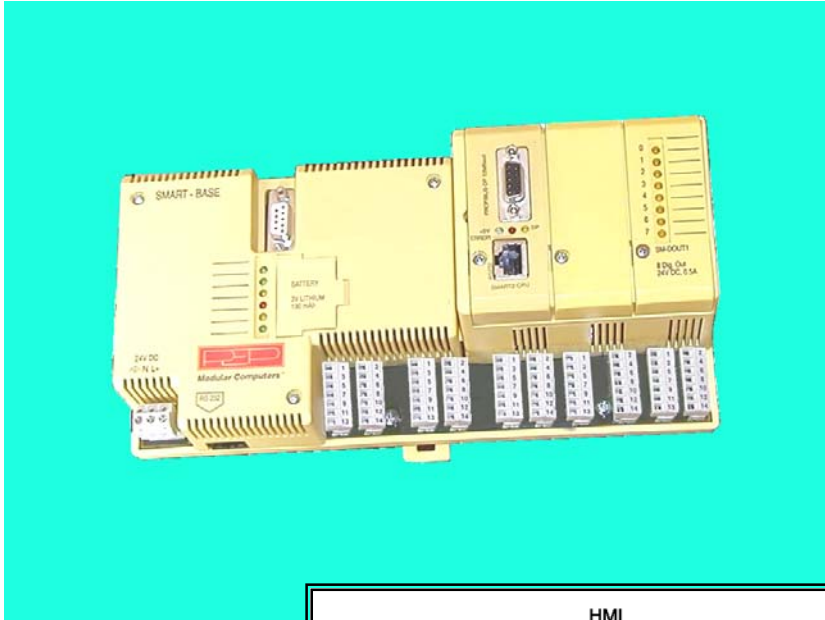


SMART4

Micro PLC with Multiple Advantages

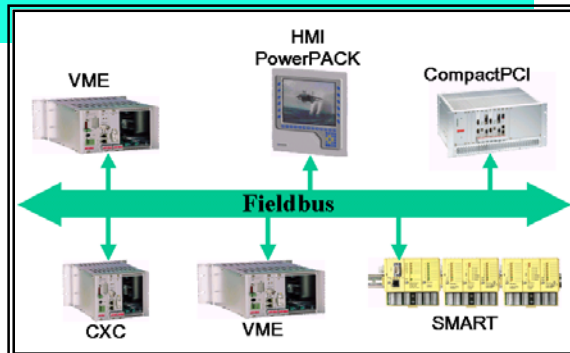


Flexible Communication & Low Power Consumption

- Ethernet
- PROFIBUS-DP
- CANbus
- OEM solutions
- Distributed control system
- All IEC 1131-3 PLC languages
- ANSI-'C' interface
- Real-time O/S with multi-tasking
- 32 isolated inputs
- 16 isolated outputs
- Operating temperature 0°C to +70°C / -40°C to +85°C

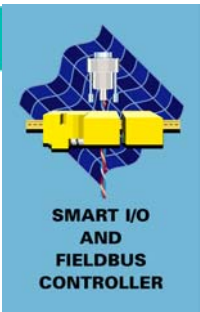
Ethernet

Free RS



The SMART4 is a member of SMART family making ideal combination as compact micro-PLC and real-time computer. With its flexible fieldbus interface, it provides new distributed control solutions for the harsh environmental conditions associated with process control, transportation or industrial automation.





On board interfaces

SM-I/O Modules

A wide range of I/O modules for SMART is available to interface the variety of process signals of the industrial automation or process control.

The I/O interface of SMART4 is fully compatible with the SMART I/O family allowing all SM-Modules to be used and function with both systems. The comprehensive range covers digital I/Os, relay modules, analog I/Os and temperature processing interfaces. With over 200 digital I/Os available, a complete assembly of CPU module and 4 base units may be realised allowing the complete assembly to be freely configured to meet the very needs of the application. The I/O interface of the SMART4 is designed on an open architecture which, by definition, is available for OEM customers helping them to develop their own application-specific modules. The SMART4-base have integrated power supply with wide input range of +12V to +36V DC (nominal +24V DC) supplies the system with +5V DC.

Input	Function:	32 digital channels 4 independent groups Common ground,
	Isolation:	2.5 kV from the system
	Input voltage:	24V DC
	Input Current:	< 10 mA
	High level:	> 19V
	Low level:	< 9V
Output	Function:	16 digital outputs High-side switch (Common Vcc) 4 independent groups
	Switching Voltage:	24 VDC
	Switching Current:	500mA
	Isolation:	2.5kV from the system
Other interfaces	SM – Slots:	1 slots for standard SM modules,
	PSU:	Integrated 24V input (5W or 10W).
	SM2-CPU:	Can be used in the same way as with SM2-Base, only the first slot in the SM4-Base, second on board RS routed to RJ45 connector
	Optionally	Optoisolated interface for on board SM2-CPU RS channel throw DSUB-9 connector, with chosen by SC-piggy-back interface
	SPI:	Master and slave SPI interface
	Screw Terminals:	SMART-2 type of screw terminals
SMART4-base		Integrated PSU, and isolated RS interface for SM2-CPU SPI master interface
SMART4-Ext		No integrated PSU SPI slave and master interface

Product	Description	Order No.
SMART4-Base	SMART4-base module with 1 SM-slot, 32 digital inputs isolated 2.5kV and 16 digital outputs isolated 2.5kV, integrated power supply 24V/5W	
SMART4-Base	SMART4-base module with 1 SM-slot, 32 digital inputs isolated 2.5kV and 16 digital outputs isolated 2.5kV, integrated power supply 24V/10W	
SMART4-Ext	SMART4-Ext extension module with 1 SM-slot, 32 digital inputs isolated 2.5kV and 16 digital outputs isolated 2.5kV, no-integrated power supply	

Important: The SMART4-Base is delivered without blank front panels. Every SM2-CPU-xx must be ordered with an SM2-DP, SM2-CAN or SM2-CPU-FP front-panel and SM2-CPU-FIRM. In addition Screw terminals has to be ordered separately.

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