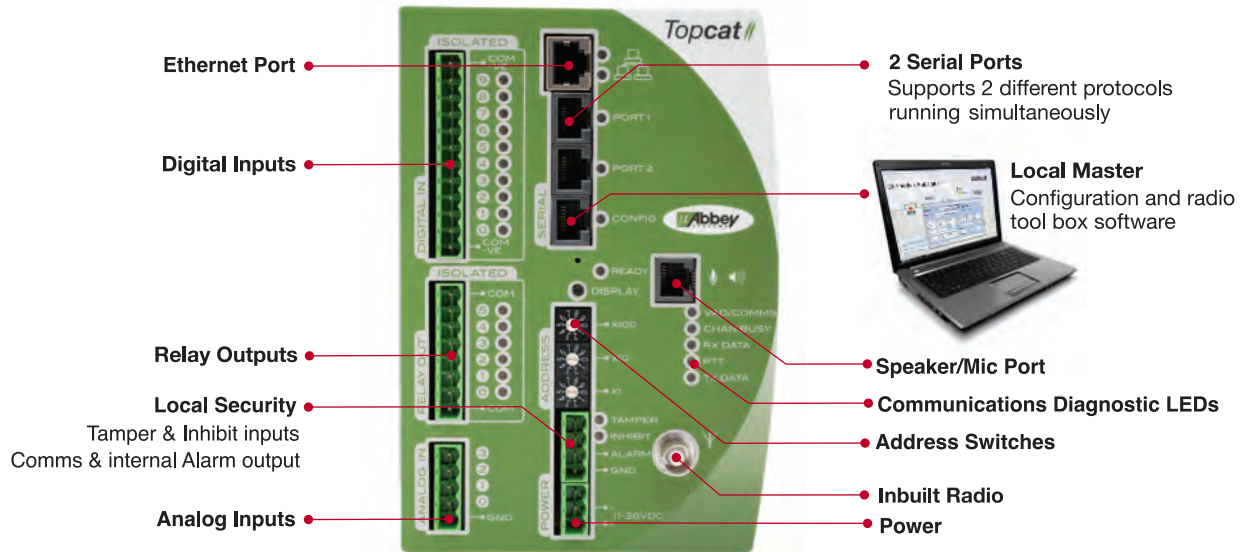


Topcat



**Power industry
feederline automation
RTUs with high levels of
electrical isolation for
switch voltage regulator
and small substation
telemetry applications**

- Highly isolated I/O
- Multiple simultaneous protocols
- Internal/External radio option
- Cellular, Ethernet, Fibre Optic & Data Radio communications options
- Configure via laptop or over the communications network
- Inbuilt program logic & datalogging
- RFI shielding from aluminium enclosure



I/O Capacity

I/O Capacity							Inbuilt I/O	
Model	Digital in	Relay out	Analog in	Tamper in	Inhibit in	Alarm out	Status	Measurements
TC3	30 (12 pulse)	18	12	1	1	1	11	12
TC1	10 (4 pulse)	6	4	1	1	1	11	12
TC0	via Serial Protocol only			1	1	1	11	12

Specifications

Hardware	Communications Options	Firmware Capability	Options
<p>Processor M32c 32bit CPU, 512k batt backed RAM</p> <p>Digital Inputs Voltage activated, programmable Debounce, inversion and change of state Alarm 4 - 36VDC (default) 8 - 60VDC option (at time of order only) Inputs 0,1,2,3 for pulse count use</p> <p>Relay Outputs N/O contact Rated voltage 240VAC/ 30VDC 6A Wetting 10mA Programmable pulsed or steady state output, pulse width, inversion, checkback Output selftest</p> <p>Analog Inputs 12 bit 0-20mA, 4-20mA Hardware and software filtering External source required</p> <p>Power 11-36VDC max</p>	<p>Cellular Enables cellular communication with the site via external modem</p> <p>5 watt VHF radio 136-174MHz CTCSS 12.5/25kHz 16 channel programmable Adjustable power settings</p> <p>4 watt UHF radio 400-470MHz, 450-530MHz CTCSS 12.5/25kHz 16 channel programmable Adjustable power settings</p> <p>External radio interface (for higher power radios) Hi-Z unbalanced interface</p> <p>Ethernet For IP radio or other ethernet connections</p>	<p>Slave protocols Modbus DNP3 HDLC</p> <p>Master protocols DNP3* Modbus* Allen-Bradley DF-1</p> <p>Programming (incl) MPL programming language for logic capability</p> <p>Datalogging* 25,000 time stamped events for later downloading & display</p> <p><i>*Loaded as standard</i></p>	<p>Configuration software Powerlink Local Master configuration software</p> <p>Fibre optic interfaces (powered from Topcat) RS-232 <> glass / plastic POF RS-485 <> glass / plastic POF</p> <p>Converters (powered from Topcat) RS-232/RS-485 for multi-dropped serial devices</p> <p>Analog Output module 4 x 0-20mA 12bit Analog outputs Din mount external PCB</p> <p>Dimensions (mm)</p> <p>TC0 H165mm, W112mm, D123mm Weight 1.0kg</p> <p>TC1 H165mm, W143mm, D123mm Weight 1.35kg</p> <p>TC3 H165mm, W205mm, D123mm Weight 2.5kg</p>

Specifications may be subject to change without notice

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