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EL6751 | CANopen master/slave terminal



The Terminal enables within an EtherCAT Terminal network the integration of any CANopen devices and can either be master (EL6751) or slave (EL6751-0010). In addition, general CAN messages can be sent or received – without having to bother with CAN frames in the applications program. The terminal has a powerful protocol implementation with many features:

- All CANopen PDO communication types are supported: event driven, time driven (using an event timer), synchronous, polling.
- synchronisation with the PC controller's task cycle
- SYNC cycle with quartz precision for drive synchronisation, zero cumulative jitter
- parameter communication (SDO) at start-up and when running
- emergency message handling, guarding and heartbeat
- powerful parameter and diagnostics interfaces
- online bus load display

Like the FC5101 CANopen PCI card, the EL6751 can be used for connection to CANopen networks. The terminal, however, enables a more space-saving implementation since no PCI slots are required in the Industrial PC.

Technical data	EL6751	EL6751-0010
Technology	CANopen master terminal	CANopen slave terminal
Fieldbus	CANopen	
Number of fieldbus channels	1	
Data transfer rates	10, 20, 50, 100, 125, 250, 500, 800, 1000 kbaud	
Interfaces	D-sub connector, 9-pin according to CANopen specification, galvanically decoupled	
Communication	CANopen network master and CANopen manager, optionally CANopen slave	
Hardware diagnosis	status LEDs	
Distributed clocks	–	
Current consumption power contacts	–	
Current consumption E-bus	typ. 230 mA	
Special features	status LEDs, CANopen network master, CANopen Manager, supports RAW-CAN	status LEDs, CANopen slave
Weight	approx. 70 g	
Operating/storage temperature	-25...+60 °C/-40...+85 °C	
Relative humidity	95 %, no condensation	
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27	
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4	
Protect. class/installation pos.	IP 20/variable	
Approvals	CE, UL, Ex	

System	
CANopen	For further CANopen products please see the system overview .

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