



TSN Switch Automotive Q50

Laboratory switch with management interface for time sensitive test & measurement applications



TSN Switch Automotive Q50

Laboratory switch with management interface for time sensitive test & measurement applications

The **TSN Switch Automotive Q50** is intended to assist in complex and dynamically changing setups during development and HIL testing.

It provides a reliable gPTP automotive profile functionality as master and slave as well as an easy way to manage VLAN functionality.

A wide variety of inputs including 100/1000BASE-T and automotive compliant 100BASE-T1 and 1000BASE-T1 makes it a flexible tool for daily work. Special functionality like auto-negotiation of PHY master/slave status provides a fast and seamless workflow.

With a high precision PPS output even most critical synchronisation errors can be found and managed.

Physical Parameters		
Dimensions	170 mm x 141 mm x 37 mm	
Maximum envelope with connectors	175 mm x 141 mm x 37 mm	
Weight	550 g	
External power supply	12-42 V	
Power consumption	6 W Max	
Temperature range	Commercial	
Interfaces & Connectors		
Ethernet	No.	
1Gbps (Automotive) Ethernet	2	Configured as either: 2 x 1000BASE-T/100BASE-T or 2 x 1000BASE-T1/100BASE-T1 or 1 x 1000BASE-T/100BASE-T and 1 x 1000BASE-T1/100BASE-T1
1Gbps Ethernet (fixed port)	1	1000BASE-T/100BASE-T
100Mbps Automotive Ethernet	5	100BASE-T1
Power		
Phoenix Jack (2 Pin) Power In	1	12-42 V Input
Mini-Fit (4 Pin) Power Out	1	10 V, 5 V and 3.3 V (limit to 1.5 A combined)
PPS		
SMA Jack	1	Optional second SMA on cable (only on request)
Switches		
2 Position Slide Switches	5 to 9	Master/Slave and 1Gbps/100Mbps Select
LEDs		
Power and Link	6 to 8	



Write now: info@tsn.systems or call: +49 661 410 951 80

Control complexity.

Want to know more about TSN Systems?
www.tsn.systems

Contact

TSN Systems GmbH
 Dalbergstraße 7
 36037 Fulda · Germany
info@tsn.systems
www.tsn.systems

