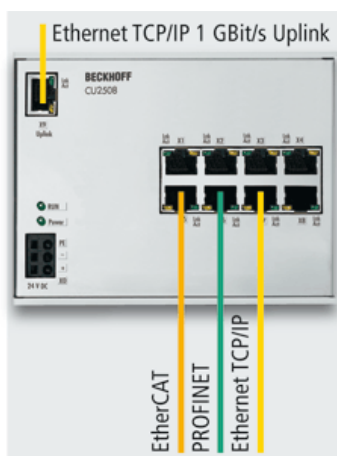




CU2508 | Real-time Ethernet port multiplier

The real-time Ethernet port multiplier allows the connection of eight independent Ethernet networks. The CU2508 is connected to the PC via a gigabit uplink. The PC offers high-performance data transfer to the multiplier, which allocates the data to the relevant 100BASE-TX port based on an analysis of a frame prefix and sends them time-controlled with μs precision. Received frames are also allocated a prefix including a timestamp and sent to the PC. With the support of a driver, users have eight independent ports with full real-time characteristics available. The CU2508 is used in applications in which several Ethernet ports are required that need to be realised outside the PC. TwinCAT supports the CU2508 and makes further network ports at the PC unnecessary. For extremely high demands, an EtherCAT installation can, for example, be distributed or expanded to up to eight lines in order to multiply the performance. The distributed clocks of the EtherCAT lines are synchronised. An EtherCAT cable redundancy with simultaneous usage of distributed clocks can also be realised using two ports of the CU2508.



Technical data	CU2508
Protocol	Ethernet TCP/IP; real-time protocols: EtherCAT, PROFINET, EtherNet/IP and others (depending on driver)
Number of Ethernet ports	8 x 100 Mbit/s and 1 x 1 Gbit/s (uplink)
Ethernet interface	RJ45
Cable length	up to 100 m twisted pair
Data transfer rates	100BASE-TX and 1 Gbit/s
Hardware diagnosis	LEDs
Power supply	24 (18...30) V DC, 100 mA, 3-pin connection (+, -, PE)
Dimensions (W x H x D)	approx. 146 mm x 100 mm x 30 mm
Operating/storage temperature	0...+55 °C/-25...+85 °C
Protect. class/installation pos.	IP 20/variable

Accessories	
Cordsets	cordsets and connectors

System	
Ethernet TCP/IP	For further Ethernet TCP/IP products please see the system overview .