

# Real-Time Ethernet in Industry

Nr.	Name	Organization / Main Manufacturer
1	EtherCAT	<a href="#">ETG</a> / <a href="#">Beckhoff</a>
2	Ethernet/IP mit CIP Sync	<a href="#">ODVA</a> / <a href="#">Rockwell Automation</a>
3	ETHERNET Powerlink (EPL)	<a href="#">EPG</a> / <a href="#">B&amp;R</a>
4	Precision Time Protocol (IEEE 1588)	IEEE / -
5	PROFINET	<a href="#">PNO</a> / <a href="#">SIEMENS</a>
6	RTPS	<a href="#">Modbus-IDA</a> / <a href="#">Schneider Electric</a>
7	SERCOS-III	<a href="#">IGS</a> / -
8	SynqNet *	<a href="#">SynqNet User Group</a> / <a href="#">Motion Engineering Inc. (MEI)</a> , USA
9	JetSync	- / <a href="#">Jetter</a> , Germany
10	PowerDNA	- / <a href="#">United Electronic Systems (UEI)</a> , USA
11	SynUTC	- / <a href="#">Oregano Systems</a> , Austria
12	Switch mit Zeit-Server	- / <a href="#">Ontime Networks</a> , Norway
13	RTnet (Open Source)	- / <a href="#">Real-Time Systems Group of University Hannover</a> , Germany
14	Vnet/IP	- / <a href="#">Yokogawa</a> , Japan
15	TCnet	- / <a href="#">Toshiba</a> , Japan
16	EPA	- / <a href="#">ZHEJIANG SUPCON INSTRUMENT</a> , China
17	SafetyNET p	<a href="#">Safety Network International</a> / <a href="#">Pilz</a> , Germany
18	VARAN *	<a href="#">VNO</a> / <a href="#">Sigmatek</a> , Austria
19	DART-EC	- / <a href="#">ETAS</a> , Germany
20	RTEX *	- / <a href="#">Panasonic</a>
21	Mechatrolink III *	<a href="#">Mechatrolink Members Association</a> / <a href="#">Yaskawa Electric</a> , Japan
22	HSCI *	- / <a href="#">HEIDENHAIN</a> , Germany
23	RAPIEnet	- / <a href="#">Hanyang University</a> , Korea
24	AFDX	- / <a href="#">ARINC</a> , USA
25	TTEthernet	- / <a href="#">TTTech</a> , Austria
26	CC-Link IE	<a href="#">CLPA</a> / <a href="#">Mitsubishi</a>
27	DRIVE-CLiQ *	- / <a href="#">Siemens</a>

\* only Physical Layer based on Ethernet