



## EC-Master Key Benefits

- ⊕ High Performance real-time Ethernet Drivers
- ⊕ Support for Distributed Clocks Master Shift as well as Bus Shift mode
- ⊕ Out-of-the-box for the most popular operating systems
  - Get it running on your system in one day!
- ⊕ Reliable and robust implementation
  - Field proven in several 100000 systems per year!
- ⊕ Sophisticated diagnosis functions
  - Detect state change problems and frame loss errors easily
  - More than 300 different error codes
- ⊕ High performance and hard real-time
  - Low CPU load due to acontis real-time Ethernet drivers
- ⊕ Easy to integrate
  - Various example applications and comprehensive user manuals

## EtherCAT® Master Runtime

- ⊕ EC-Master Class A
- ⊕ Fast and optimized real-time Ethernet drivers
- ⊕ High speed OS layer for optimum EtherCAT® Performance and minimum CPU load
- ⊕ Mailbox protocols: CoE, SoE, AoE, VoE
- ⊕ Sophisticated Distributed Clocks (DC) support
- ⊕ Built in support for DC synchronization based on EtherCAT® Master Shift Mechanism
- ⊕ Many example applications including ECMotion demo application for DS402 CoE Drives
- ⊕ Support for FSoE (Safety over EtherCAT) Slaves
- ⊕ Configuration based on ENI (EtherCAT Network Information) XML file

