



Introducing CANbus

Definitions & Applications

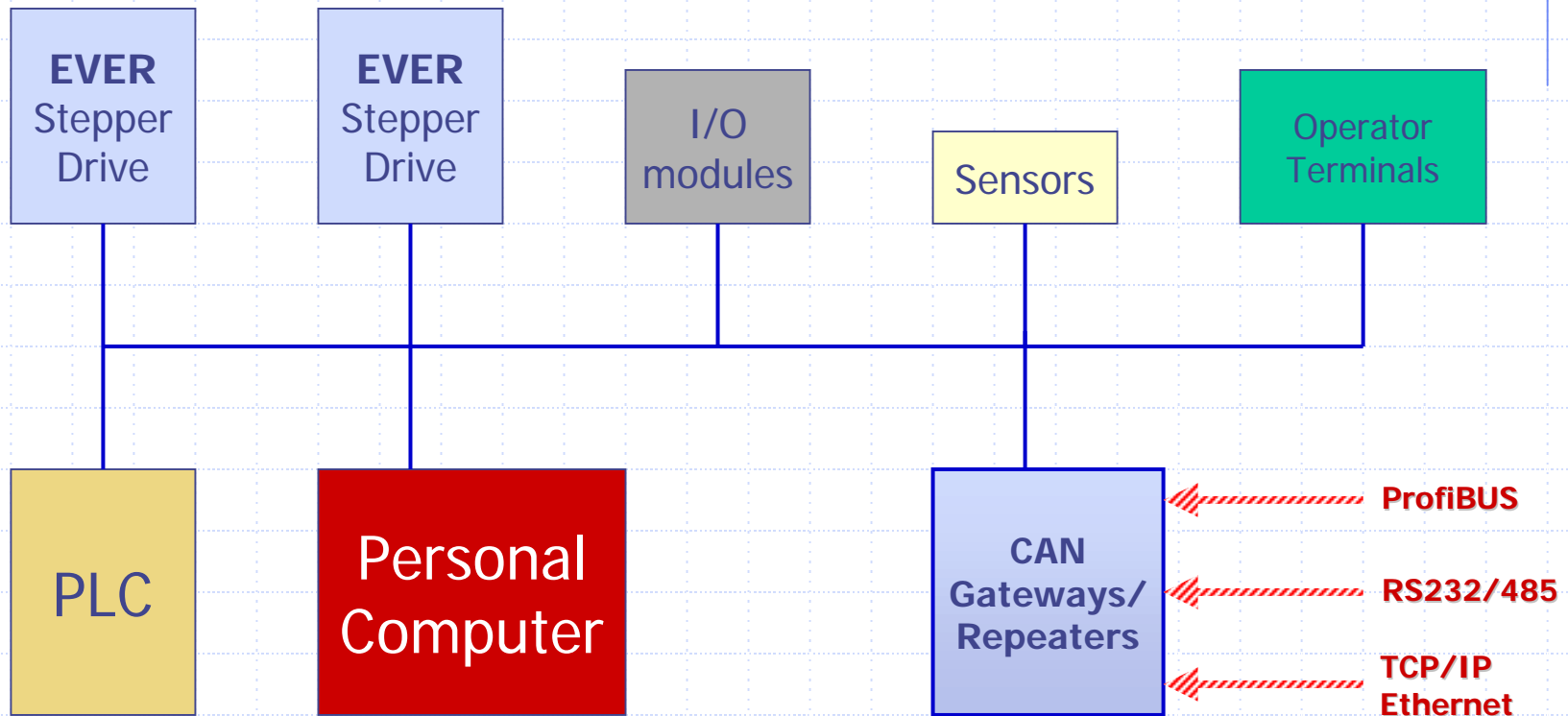
CAN Background

- ◆ Developed in 1983 by Bosch & Intel
- ◆ ISO 11898 standard
- ◆ Multi-Master structured bus
- ◆ Speed up to 1 Mbit/s
- ◆ Simple cabling (twisted pair)
- ◆ Hardware error handling
- ◆ Non destructive bitwise arbitration

CANbus benefits

- ◆ Low cost interfacing
- ◆ Connection of up to 127 devices
- ◆ Simplified cabling
- ◆ Robustness in harsh environment
- ◆ World wide diffusion
- ◆ Standards: CANopen, DeviceNET, etc.

CAN Network Example



EVER CANbus Stepper Drives

- ◆ CAN 2.0A & B compliant
- ◆ CANopen protocol compliant
- ◆ Configurable Baud Rate & Node Id
- ◆ Supported CANopen device profiles:
 - DS 301, DS 401, DSP 402, DS 406
- ◆ Master (SDH only) & Slave versions

EVER drives use CAN

- ◆ To synchronize motors movement
- ◆ To get feedback from CAN sensors
- ◆ To get commands from PLCs, PCs, etc.
- ◆ To share informations
- ◆ To check drives working status
- ◆ To enhance communication robustness
- ◆ **To reduce costs!**

EVER CAN Drives Applications

- ◆ Flexo printing machines
- ◆ Textile machines
- ◆ Labelling machines
- ◆ ...

CAN Organizations

◆ CAN in Automation:

- www.can-cia.de



***E*ever**
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