

## Linking ERP/MES with production floor



Collecting data from a great number of fixed scanners can be a daunting job. Just think about all the cabling and the random nature of passing products before the scanners.

**ScanBus** is a network based data collection system for fixed scanners on the production lines, thus relieving the upper ERP/MES system

**ScanBus** hardware consists of a central PC and distributed network terminals with top

and/or bottom fixed scanners per terminal.

**ScanBus** software runs on a central PC. It collects time-stamps and the barcode data from all scanners and forwards the formatted data to the upper ERP/MES system (such as SAP ME).. **ScanBus** show ERP/MES replies on the local display and can change the product flow through build-in outputs (SMEMA interface). It is also possible to communicate with local production machines for local automation.

**ScanBus** has a local database to keep track of all barcode scans. This allows ScanBus to calculate scanner performances for preventive maintenance and problem solving.

### Hardware features:

- Central networked PC/Server
- Distributed terminals
  - Network interface
  - Internal display and keyboard
  - 4 serial lines
  - digital in- and outputs
- Fixed 1D or 2D barcode scanners
- Alarm lights

### Software suite:

- ScanBus Telnet server
- Firmware in terminals: Telnet Client
- Web application in ScanBus Server to configure terminals and monitoring scanner performances
- Local ScanBus database

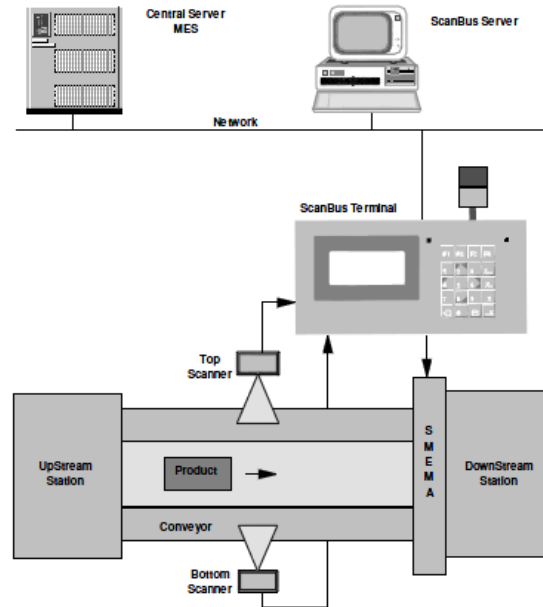
**ScanBus** supports interfaces to SAP ME xml, SAP ME web services or other ERP/MES packages.

Standard SAPME production request are PASS, START, COMPLETE and SERIALIZE. Other request or combinations of request are possible after consultation.

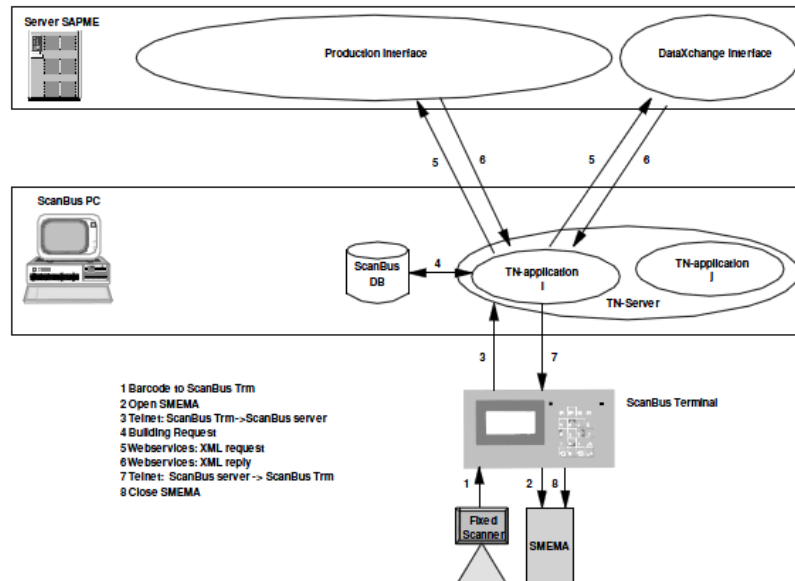
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## Hardware configuration:



## Software configuration:



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