ProfiTrace2 (Procentec)

- ProfiTrace2 is the latest in a range of fault finding and health checking tools from Procentec.
  - High-speed analyser for both DP and PA.
    - Extensive triggering and filtering capability.
    - PA probe available for PA segment connection.
  - Decoding of all telegrams (DPV0 and DPV2).
  - Built-in high-speed oscilloscope.
    - DP scope shows RS485 waveform at bus interface.
    - PA probe Ultra allows MBP waveform to be measured.
  - Rapid network health check
    - live list and bar chart
    - Health-checking and performance statistics.
    - Report generation for record keeping.

ProfiTrace2 (Procentec)

- In addition ProfiTrace can provide:
  - Master functionality
    - Class-1 functions, useful for bench top testing of devices.
    - Also able to access and control slaves on a live network.
    - Can provide Class-2 functionality for access to device parameters and in-built diagnostics of devices whilst on line.
  - CommDTM functionality
    - Allows ProfiTrace to be used within modern Field Device Tools such as FieldCare or PACTware.
  - OPC server access to analyser data and statistics.
    - Provides standardised data access from any OPC client for Supervisory Control and Data Acquisition (SCADA) packages

ProfiTrace Demonstration

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COMbricks

VTC

- COMbricks is a new modular repeater and gateway system with built-in ProfiTrace functionality accessible over Ethernet.
- Networking,
  - PROFIBUS, PROFINET, Ethernet, copper and fibre-optic.
- Monitoring
  - ProfiTrace functionality built-in and accessible over Ethernet (web based). "ProfiTrace OE"
- Control
  - Remote IO capability allowing low cost control and plant monitoring over the network.

Networking, Monitoring and Control
COMbricks

Certified by PROFIBUS • PROFINET

The COMbricks concept

VTC

The Modules include:

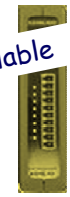
Head Station (with ProfiTrace built in)

Repeater modules (1 or 2 channel)

Optical link modules (1 or 2 channel)

PROFIBUS DP slave modules

PROFINET IO device modules


IO modules digital, relay, analogue etc

Planned this year, but not yet available

mix and match to produce the required functionality

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Example 1

VTC

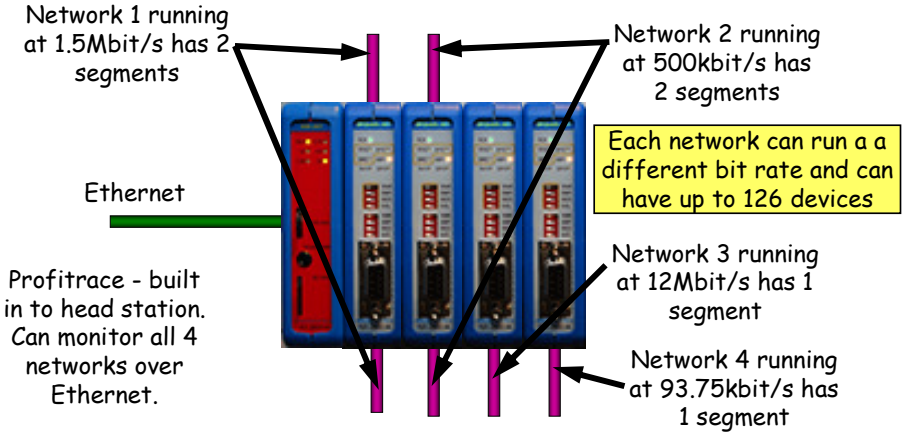
4 channel PROFIBUS repeater

Each of the four segments can have up to 31 devices connected.

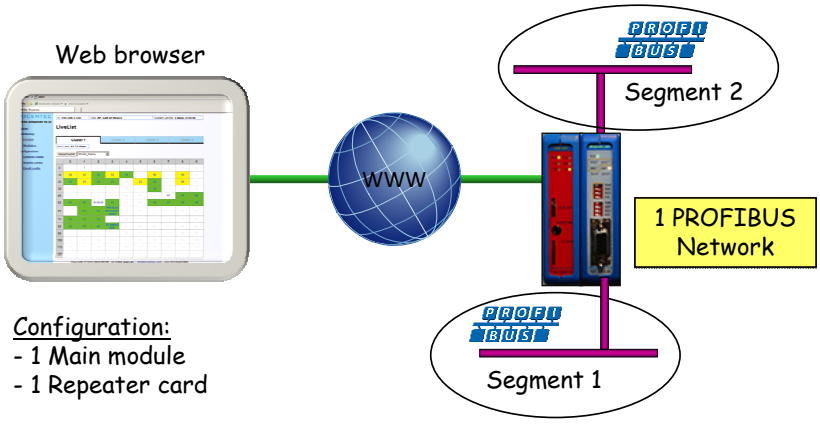
Up to 20 segments can be handled

Example 2

4 network PROFIBUS monitor

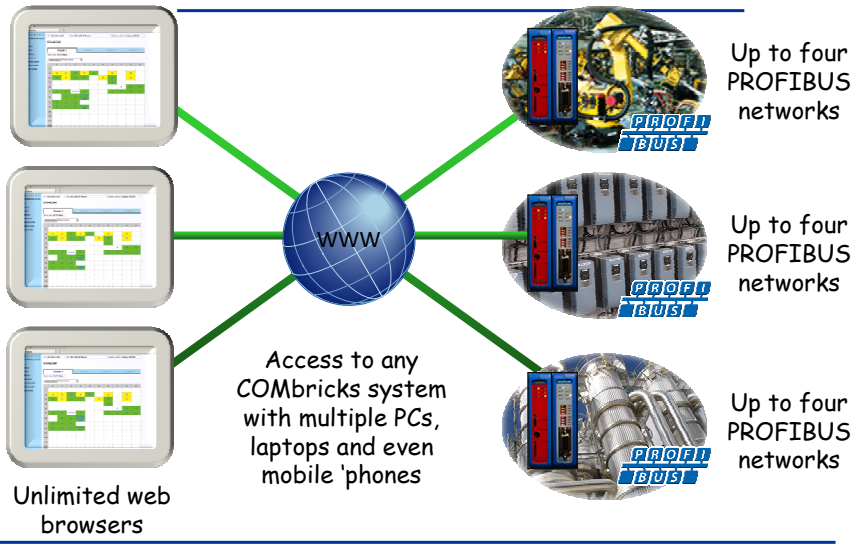


Minimal configuration for PROFIBUS monitoring



Configuration:
- 1 Main module
- 1 Repeater card

Monitoring worldwide with multiple browsers



COMbricks Demonstration