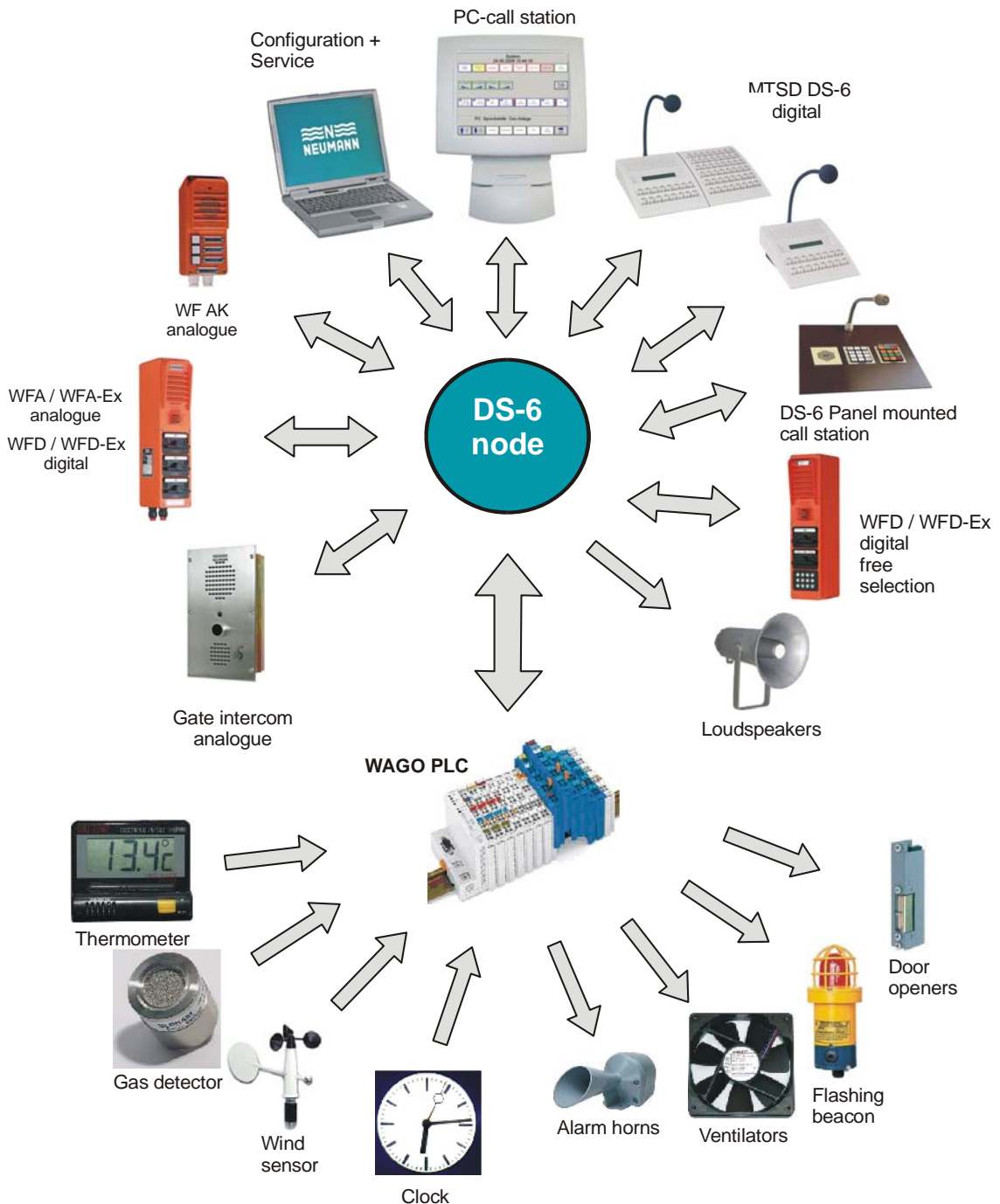




Newsletter 2009-4

NEW! Industry PLC modules, e.g. WAGO, provide useful extensions to our existing DS-6 systems.



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Flexible control options

The WAGO-I/O system 750/753 (PLC) can now be connected to our DS-6 intercom system, just like our own I/O module. This enables users to handle complex control tasks. It also makes it possible to utilize a large number of sensors and actuators in one network node. Needless to say, all functions provided by our I/O module are covered by the WAGO-I/O system. Also, inputs and outputs, analog and digital, one-channel and multi-channel, to be used in any combination, are supplied by a large range of functional modules. An interface to the DS-6 system is provided by an Ethernet interface with UDP protocol. WAGO includes a large number of functional modules which are managed by a controller in a node.

The PLC includes the following features:

- **Modular design**
Hardware and functionality can be adapted to specific requirements.
Digital, analog and special modules (functional modules) can be used in any combination inside a node.
Functional modules can be mounted on the standardized "TS35" DIN rail as side by side mounting components.
- **Expandability**
Subsequent extensions can be implemented by adding functional modules and/or by customizing the program (parametrization).
For example, the DS6 can switch flashing beacons with 24/48/230V or connect to a fire alarm system using monitored contacts in conformity with VDE 0833.4.
- **Programmability**
Extensive programming options in conformity with IEC 61131-3, enabling users to independently program even complex automatic DS-6 applications such as alarm control, evacuation, etc.
- **Powerful Ethernet Controller**
This device for 32bit, 100 Mbit/s is controlled by a real-time clock, and capable of multi-tasking, thus ensuring that a number of different events can be processed quickly and at the same time. Easy configuration with integrated web server and web-based process visualization.
As a result, all surveillance mechanisms used in industrial automatization can be used for DS-6.
- **Approval**
EX approval in conformity with EN 60079-15 (zone 2)
Standards for control modules are observed in conformity with UL 508.



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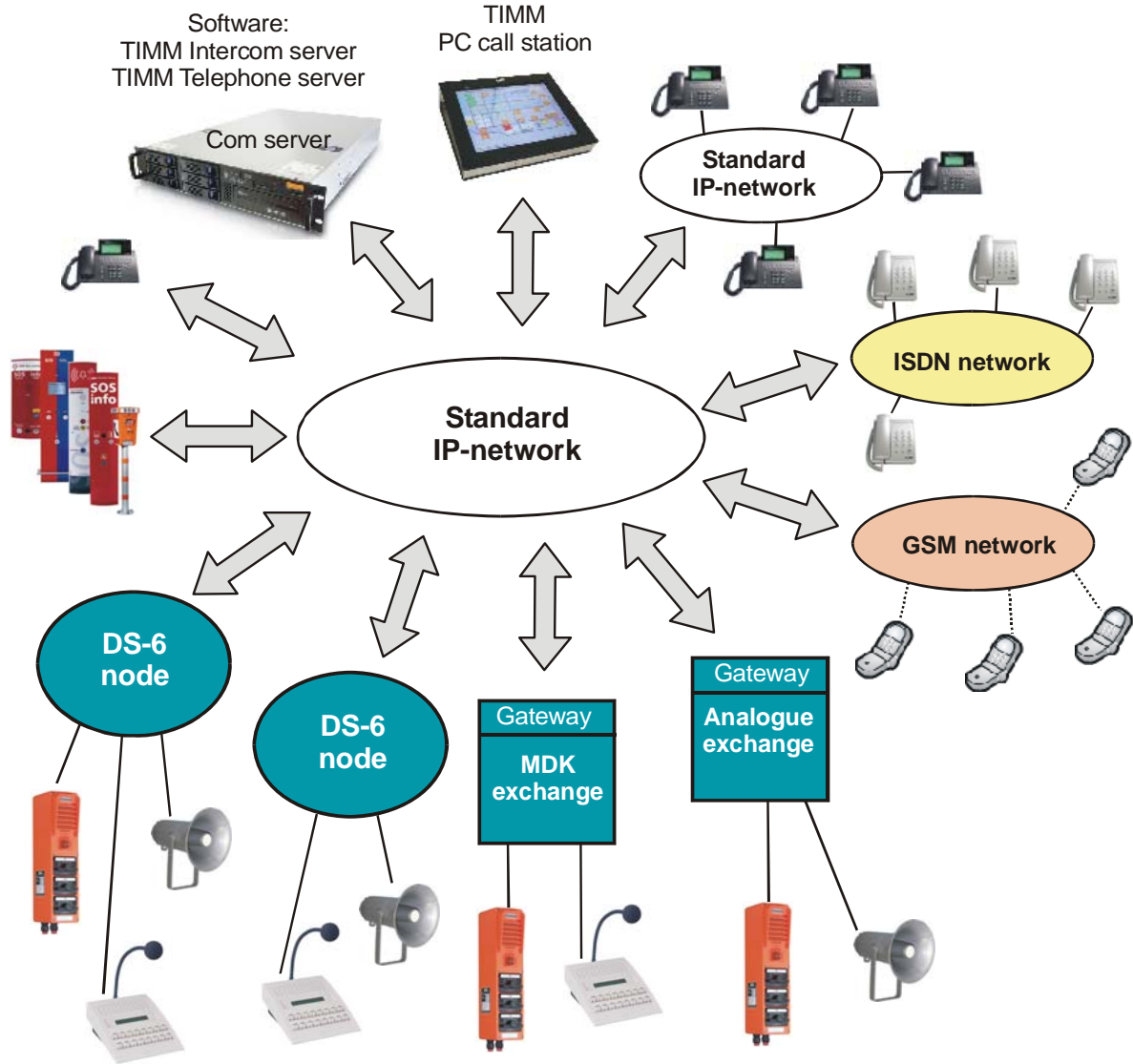


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TIMM, our future-oriented communication system
(**T**otal **I**nformation **M**anage**M**ent)



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TIMM, our software-based IP network switching technology intercom - telephony – public address - emergency call – security : all in one system

With its focus on intercom, public address, alarm, emergency call, telephony, video technology and, above all, with its central control via communication server, our innovative IP system for standardized IP networks stands out due to its extraordinary flexibility.

The system utilizes the standardized switching features of network technology. While previously subscriber ports had to be connected centrally using switching matrices, our state-of-the-art **TIMM** technology provides a modern, inexpensive system using database-supported switching. **TIMM** combines old analogue and modern digital equipment with our future-oriented decentralized **DS-6** communication systems, thus ensuring investment protection of all existing communication systems and end devices manufactured by ms Neumann Elektronik.

Outstanding features:

- Continuous voice quality of 12 kHz with DS-6
- Compliance with normative standards
- Increased value through standardized network technology
- Scalability
- Integration of PABX, video and security technology
- Long-term extendability and availability
- Integration in central network management system via SNMP (Simple Network Management Protocol),
- Easy-to-handle database-supported configuration via WEB server (access by browser)
- Migration of existing analog WL/EL systems

TIMM is the system that covers all sectors of communication and security technology by providing two brand-new software packages for central control purposes: the **TIMM Intercom Server** and the **TIMM Telephone Server**

The **TIMM Intercom Server** is a purely software-based centralized IP system entity that performs comprehensive tasks such as control, surveillance and configuration. It is thus a link between individual components and total system management. Although its primary focus is on intercom and public address technology, it can also manage older digital and analog systems, thus facilitating the transition to the IT age by allowing for gradual migration.

The **TIMM Telephone Server** is a software-based, local TK system (PABX) that serves both as SIP proxy and as gateway. The server provides connections to a fixed network (PSTN) via So and S2M. It also provides functions such as voice mail, conferencing, queues, forwarding, parking, recording and logging of calls, etc.

Some of the protocols supported by its software are SIP, H.323, IAX2 (Inter-Asterisk-Exchange), analogue and ISDN.

IAX2 enables, above all, special, non-standard connections, e.g. between telephone channels and DS-6 gateways, thus allowing for calls between telephones (duplex) and DS-6 call stations (intercom) or amplifiers (public address).

There is even the option of building up self-contained telephone systems for office or industrial environments with or without connection to intercom and public address systems. Also, VoIP end devices such as Cisco or Siemens can be connected.



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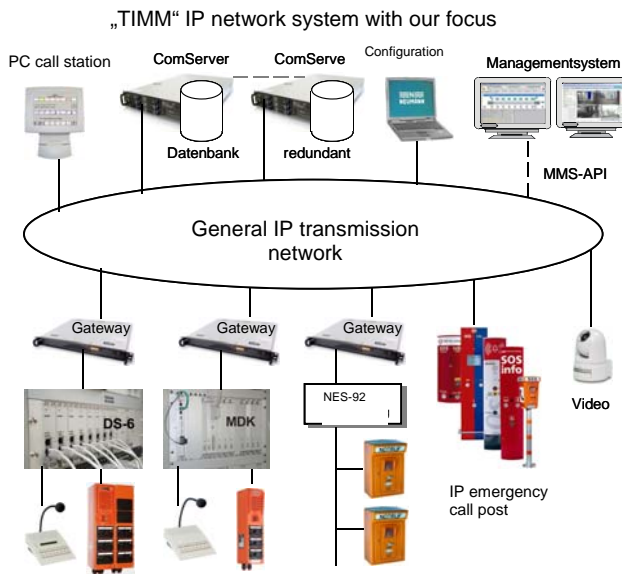
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Training courses July to December 2009 Innovative systems

“TIMM“, our communication system for common IP networks with a focus on intercom, public address, alarm, emergency call and video technology with central monitoring via communication server.



Our topics:

Information sessions

- Corporate strategy
- TIMM, the communication system of the future
- Surplus value of IP system technology in standardized transmission networks
- Grandfather clauses protecting analog technology and MDK
- Emergency call and information via centralized IP systems
- IP-based intercom technology using local DS-6 systems
- DS-6 is our answer to industrial requirements
- Presentation of our new system technology, followed by demo

Dates:

23 July 2009	13 October 2009
18 August 2009	17 November 2009
15 September 2009	15 December 2009

Free attendance

- All seminars include required information for:
- service technicians
 - planning engineers
 - project managers

TIMM and DS-6 Training Courses

- An introduction to network technology
- An introduction to centralized IP system technology in standardized transmission networks (TIMM)
- An introduction to local IP system technology (DS-6)
- Presentation of a DS-6 demo system including practical examples for intercom, public address, alarm and telephone connections
- connection diagrams
- Examples of systems, based on existing systems
- An introduction to the “DS-6 Config” configuration program
- Exercise course: How to configure a demo system using “DS-6 Config”
- How to use the monitor program for locating errors

Three-day training courses:

28 July 2009	to	30 July 2009
25 August 2009	to	27 August 2009
29 September 2009	to	01 October 2009
27 October 2009	to	29 October 2009
24 November 2009	to	26 November 2009

Training charges for each participant: 980 €

MDK basic training courses

- Hardware system design
- Customized systems
- Service and protocol interface
- Data backup

Three-day training courses:

08 September 2009	to	10 September 2009
06 October 2009	to	08 October 2009

Training charges for each participant: 1,238 €

MDK configuration training courses

- An introduction to the MDKLIST configuration program
- Exercise course: How to use the MDKLIST configuration program, including intercom, public address, alarm and telephone functions

Four training courses:

09 November 2009	to	12 November 2009
30 November 2009	to	03 Dezember 2009

Training charges for each participant: 1,532 €

All seminars will be held at:

ms Neumann Elektronik GmbH
Lahnstraße 30
45478 Mülheim an der Ruhr

Course Instructor: Bernhard Ripholz
Phone: 0208 5995 294
E-mail: bripholz@neumann-elektronik.com



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