COM450 a versatile communications switch for command & control centres

COM450 is a highly flexible PC controlled communications switch, modular build with interfaces for radio, telephony and alarms. The COM450 is particular suited for automatic command & control in Fire brigade and Home care systems. As well as 24 hour manned command and control centres.

COM 450 is build around a combined Server/Operator PC and a 16 port communications switch. The communications switch can handle:
- Analogue and ISDN telephony
- CCIR-ZVEI and FSK radio signalling schemes
- Home care terminal protocols
- AlarmNet
- Digital I/O's
COM450 Technical details:
The COM450 is in fact a miniaturised version of the COM4500 communications switch. Build around a 16 port communications switch holding the required interfaces to fulfil the application. The hardware is controlled from a combined server and operator PC. The COM450 is suitable for small application with one operator PC. Physical the COM450 is only 42 TE width (half 19”), the first 10 TE is used by the Processor including matrix and DSP functions and a multifunction module holding three audio interfaces, an analogue PSTN interface and three digital inputs and three digital outputs. The remaining 32 TE is available for further interface modules.

COM450 interface modules:
A huge variety of interface modules for both radio, telephony, alarms and telemetry are available for the COM450. As the COM26, 260, 2600, COM450 and COM4500 shares the same basic technology, the IHM interface modules can be used in any of the communications switches.

Radio transceivers:
Modules for simplex and duplex, single channel or multi-channel, VHF - UHF transceivers - to be used in land mobile radio, maritime and ground to air applications are available. HM808 and COM52 are compatible with most known transceivers on the market e.g. Motorola, Phillips, Ascom, Kenwood, Icom, Midland, Niro, Danphone, TP Radio etc.

Home care and elevator alarms:
The HM674/7 is a special ISDN module that is able to receive alarm protocols from home care terminals, elevator alarm terminals, Benefon Track and other types whom uses a dialled connection.

PABX/PSTN:
Modules are available for both analogue and ISDN connections.

Telemetry:
A series of digital I/O modules are available for monitoring and control of technical equipment.

Audio interface:
Interface for connection intercom system, public address systems, voice recorders etc. are available upon request.

Power supply:
The COM450 is in it's basic configuration powered via the HM882/n module from a 12V DC source (PS-2). In the case several interface modules are used to build the application, the COM450 can be equipped with a more power full power supply.

Ingeniør firmaet H. MORTENSEN P/S, established in 1981, is one of Denmark’s leading manufacturers of solutions and equipment for Radio- and Tele Communication.

The company develops, sells and services unique customer designed applications, primarily for fire, rescue- and security services on the Scandinavian market. But also Air Traffic Control, Track to Train communication as well as Coastal Radio Stations and Off Shore Communications systems are sold world wide.

The company, which employs 30 skilled staff, is situated in Søborg (Copenhagen), and has a subsidiary in Norway.

Ingeniør firmaet H. MORTENSEN P/S is into an expansive phase with new challenges on the European market.

It is our goal, with the use of own and other innovative products, to be a leading system integrator either direct to customers or via selected partners, primarily within mobile communication based on PMR, GSM, TETRA and coming wireless networks.