

COM4500 a versatile computer controlled communications switch

COM4500 is a highly flexible computer controlled communications switch, modular build with interfaces for radio, telephony and alarms.

The COM4500 is scaleable from small to huge systems used for command & control in most any application.



COM 4500 is build around a server PC and a scaleable communications switch.

The communications switch can handle:

- Analogue and ISDN telephony
- CCIR-ZVEI and FSK radio signalling schemes
- Dispatchers
- Digital I/O's

COM4500 Technical details:

The COM4500 is a 255 or 512 port communications switch holding the required interfaces to fulfil the application. The switch is controlled via a server PC.

The COM4500 is suitable for most any application using operator PC's but also other types of dispatcher units.

Physical each COM4500 shelf is 84 TE width(19"), the first 16 TE is used by the Processor including matrix and DSP functions and a power supply module for 230V AC or 24V DC. The remaining 68 TE is available for further interface modules.

COM4500 interface modules:

A huge variety of interface modules for both radio, telephony, alarms and telemetry are available for the COM4500. 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, Niros, 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.

Operator interface:

Interfaces are available for all IHM operator terminals, both analogue and digital types.

Audio interface:

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

Power supply:

The COM4500 is in it's basic configuration powered via the HM812/1 module from a 230V AC source or a HM838/1 from a 24V DC source.



Ingeniørfirmaet

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.

Ingeniørfirmaet **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

Agent/dealer: