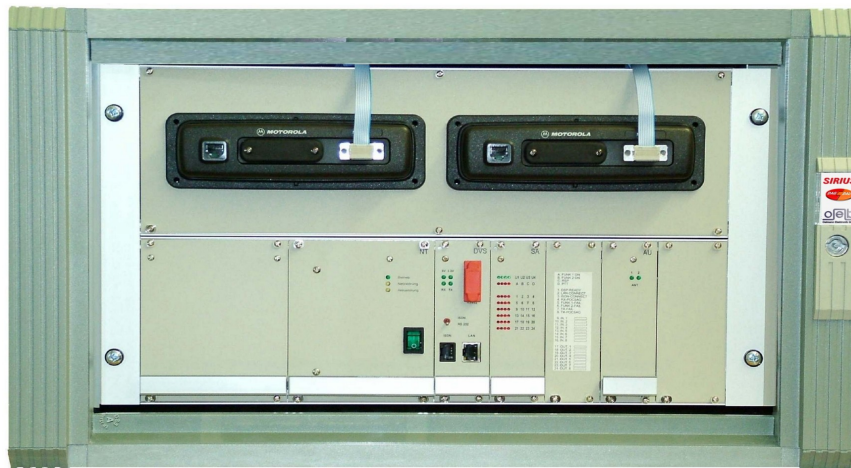


IS340 is a paging base station fully conform to the POCSAG standard (german BOS approval DAU II 05/05). It is used to forward paging information over the air. Paging data can be supplied by ethernet(IP) or by receiving over the air. Several base stations can be combined to form a complex paging network.



- Built-in redundancy by use of 2 **MOTOROLA** radios
- Channels completely programmable (VHF/UHF)
- RF output power programmable from 1 to 25W
- Integrated UPS
- Configuration over IP and over the air
- Interfaces IP (Ethernet), ISDN and V.24
- Network management optimized for up to 1000 base stations
- Encryption support 128 bit end-to-end

Modern integrated interfaces like IP (ethernet), ISDN and V.24 enable flexible connections to the IT equipment in the control center.

RF redundancy is achieved by use of two independent radios, which are periodically checked to deselect the non operational device automatical. The most common parameters are programmable over the air, the cost-intensive on-the-spot support is significantly reduced.

The integrated uninterruptable power supply (UPS) maintains the paging network operation.

Updated network status information is available by periodical status checks over the air.

Well proven transmission principles like token, odd/even, ring and crash as well as zone oriented transmission (multi-master-mode) are implemented.

Optional functions like repeater, sequential transmission with different baud rates to achieve integration in existing paging networks are programmable.

Firmware updates and functional upgrades can be implemented on-the-spot by use of modern flash technology.

Oelmann Elektronik GmbH is busy in paging for more than 30 years, with modern development and production, certified according to DIN ISO 9001.



Features

- RF channels programmable (VHF/UHF)
- 19"-housing, outer dimension 600 x 480 x 480 mm (WxHxD)
- Modulation DFSK +/- 4kHz, POCSAG RPC No. 1
- RF output power programmable 1 – 25 Watts
- Built-in redundancy by use of two independent radios
- Integrated UPS
max. electrical power consumption 140W / 230V
typ. power consumption 30W / 230V (transmission idle state)
- Opto isolated inputs for transmission of external fault states
- Control outputs for remote control purpose
- Programmable by use of IP (ethernet) or serial interface V.24
- Integrated V.24 interface (DSUB 9 connector)
- Integrated IP (ethernet) interface (RJ45 connector)
- Integrated ISDN interface (Option)
- Modern DSP board for POCSAG signalling (Tx/Rx) including error detection & correction
- Firmware flashable, easy functional upgrade possible
- Special functions available on request like
 - sequential POCSAG transmission with different baudrates
 - integration in existing paging infrastructures (like **MOTOROLA** CAS100)
 - encryption 128-bit, end-to-end
- Zone oriented transmission (multi-master-mode)
- German BOS type approval: No. **DAU II 05/05**