# ITC2800

**SWISSPHONE**

## The Energy-Efficient POCSAG Base Station Controller



The ITC2800 is the latest POCSAG paging base station in the ITC product range. For the new product generation, significant efforts have been made to reduce the TCO (Total Cost of Ownership). This is achieved mainly through the new Power Supply (PS19), which optimizes the energy efficiency of the device, which results in a conservation of natural resources.

The ITC2800 Product Portfolio also includes two new DC versions, one for UHF and one for VHF applications.

In addition, the new hardware in combination with the continuously developed ITC software offers the possibility to store factory parameters and configurations in a simplified way, which reduces the susceptibility to errors and shortens the commissioning time.

The ITC2800 integrates with ITC2500, ITC2100 and ITC2000, fully compatible with existing POCSAG networks.

### Features of ITC2800

- High investment security

- Extremely long service life

- Modular design for adaptability to customer needs

- Configurability via web interface

- Possibility of remote configuration via the air interface (POCSAG)

- Automatic status feedback via the air interface (POCSAG)
  - Decentralised alarm input
  - Transmission confirmation
  - Status display

- Easy installation in 19 inch rack (3RU)

- Extensive log data with comprehensive filter options

# ITC2800

|  | Feature | Technical data |
|---|---|---|
| **Hardware** | Dimension (W x H x D) | 483 mm x 134 mm (3RU) x 315 mm<br>19 in x 5.25 in (3RU) x 12.4 in |
|  | Dimension with wall cabinet housing (W x H x D) | 600 mm x 350 mm x 500 mm (19", 6RU)<br>23.62 in x 13.78 in x 19.69 in (19", 6RU) |
|  | Permissible operating temperature | -20 °C…+55 °C<br>-4°F… +131°F |
|  | Rated power / input voltage | Power: 200 W<br>Voltage: -57.6 VDC…-43.5 VDC |
|  | Available frequency bands | 136 – 174 MHz<br>378 – 470MHz |
|  | Frequency stability (carrier) | ±1.5 ppm |
|  | Channel spacing | 12.5 / 20 / 25 kHz |
|  | POCSAG-transmission rate | Transport Layer: 1200, 2400 or 4800 Baud<br>Alarm Layer: 512, 1200 or 2400 Baud |
|  | Transmitting power | 10-40W for UHF<br>10-50W for VHF |
|  | Base Station Controller | CPU-Modul V8/103 512 MB<br>Flashdisk 2 GB (power-failure proof)<br>Operating System Linux |

|  | Connection | Technical data |
|---|---|---|
| **Connections** | Antenna Connection | 50 Ω coaxial N-Type (single or dual antenna) |
|  | Peripheral connections | Fast Ethernet RJ45 (2x)<br>USB 2.0<br>VGA (1920x1200) (1x) |

|  | Area | Type | Standards/IDs |
|---|---|---|---|
| **Fulfilled Standards and Certifications** | U.S.A. | FCC – ID | L3M-ITC2800VHF and L3M-ITC2800UHF |
|  | Canada | IC | 4404A-ITC2800VHF and 4404A-ITC2800UHF |

|  | Description | Article Number |
|---|---|---|
| **Available Options** | HF Transmission Control (RC09 Subrpint) | 0720519 |
|  | LTE-Option | 0721740 |
|  | Digital I/O-Card | 0721706 |
|  | GPS-Receiver for Primary | 0721718 |