ITC2800

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 includes a total of four ITC2800 variants, with either DC or AC Power Supply and the option between VHF and UHF transceiver.

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 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) 23.62 in x 13.78 in x 19.69 in (19", 6RU)
	Permissible operating temperature	-20 °C…+55 °C -4°F… +131°F
	Rated power / input voltage	Power: 200 W Voltage DC-Variant: -57.6 VDC…-43.5 VDC Voltage AC-Variant: 100 VAC…240 VAC / 50-60 Hz
	Available frequency bands	136 – 174 MHz 378 – 470 MHz
	Frequency stability (carrier)	±1.5 ppm
	Channel spacing	12.5 / 20 / 25 kHz
	POCSAG-transmission rate	Transport Layer: 1200, 2400 or 4800 Baud Alarm Layer: 512, 1200 or 2400 Baud
	Transmitting power	10-40W for UHF 10-50W for VHF
	Base Station Controller	CPU-Modul V8/103 512 MB Flashdisk 2 GB (power-failure proof) Operating System Linux

	Connection	Technical data
Connections	Antenna Connection	50 Ω coaxial N-Type (single or dual antenna)
	Peripheral connections	Fast Ethernet RJ45 (2x) USB 2.0 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