

DECLoop<sub>WLL</sub>

closing the communication gap



**The Subscriber Terminal – 16 (ST-16)** : A newly designed fixed subscriber terminal for the DECLoop system that offers multiple ports for voice services to the subscriber. The ST-16 offers 16 standard telephone ports (RJ11) to which a standard telephone, facsimile machine or modem can be connected. The unit is modular in nature. One can choose to have up to 4 ST-4 modules in a single rack. Telephone ports in multiples of 4 (4/8/12/16 ports) can be enabled in a single rack. Each ST-4 module has an inbuilt back-up battery.

## Features

- Flexibility
  - One module (upto 4 lines)
  - Single ST16 (up to 16 lines)
  - Multiple ST16 (more than 16 lines)
- Centralized maintenance
- Cost saving for installation in areas with higher co-location of subscribers
- Backup battery built in with battery backup of up to 1.5hrs talk time (per module)



## Specifications

Air Interface Specifications	
Compliance	DECT specifications ETS300175 and TBR06
Operating Frequency 1	1880 to 1900 MHz (DECT Band 1) 900 to 1920 MHz (DECT Band 2) 1910 to 1930 MHz (DECT Band 3)
Nominal Transmit Power	+24 dBm
Receiver Sensitivity	-91dBm
Built-in Antenna Gain	7.5dBi
Speech Transmission Specifications	
Voice Coding	ADPCM as per ITU-T G.726
Compliance	ITU-T recommendation Q552
Phone Port Specifications	
Phone Support	Pulse; DTMF (Frequencies supported as per ITU-T recommendations Q.23)
Polarity Reversal	Supported
Metering Pulse	16 / 12 kHz $\pm$ 1%, Programmable on request, 500 mVrms (min), < 10% distortion
Power Supply Specifications	
AC Input Voltage	85V ~ 265 V, 45-65 Hz
Peak AC Input Power	152 VA (approximated) (38 VA each module)

Operating Time (with 12V/ 3.3 AH Battery per module)	Talk-time: 1.5 hours per module Stand-by time : 6.5 hours
Battery Recharge Time	24 hours (from fully discharged state)
Cable Length Specifications	
Distance between the ST-16 AU and ST-16 GU	25 meters (default cable length). It can be 2 km using 0.5 mm Copper cable & 1 km if using 0.4 mm Copper cable
Distance between the ST-16 and telephone Instrument	1-2 kms
Enclosure Specifications	
Make	AU: Weather-proof Thermoplastic enclosure suitable for both indoor and outdoor mounting GU: Suitable for indoor usage
Dimension (L x W x H)	AU : 480 x 150 x 65 mm GU: 485 x 309 x 215 mm Module (ST-4): 278 x 106 x 94 mm
Weight	AU: 1.6 kg; 2.8 kg with mounting fixture ST-4 - Single module: 2.86 kg / 3.86 kg (with / without battery)
Mounting	AU: Suitable for mounting on pole or on towers with appropriate mounting fixtures GU: Rack mounting / Desk Mounting



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