TL series

Product Leaflet

siae microelettronica

TL Compact
Trunk Link IP & Hybrid

TL Compact is the ideal solution for a wide range of applications in access and backbone networks where placement and installation footprint of equipment is paramount. The TL Compact provides up to 4 RF carriers per cabinet (3+1/4+0) for IP and Hybrid transmission.

A IP55 weather hardened cabinet allows for a full outdoor installation of this multi carrier solution by locating the radio equipment closer to the antenna. TL Compact, with the reduction of the waveguide losses and ability to transmit over greater distance, results in a better TCO solution.

MICROWAVE RADIO

TL Compact is available in all frequency bands from 4 to 13 Ghz (ITU-R, FCC, NTIA) with up to 4 STM-1/OC-3 or 1 Gbits capacity, in N+1 or N+0 & M+1 or M+0 configurations. In addition, for IP applications a L2 switch is embedded in the equipment.

MAIN FEATURES

- N+1 or N+0 mixed configuration ACCP/ACAP/CCDP with SD (space diversity) & TSD (transmit space diversity with up to 4 channels) support in a single cabinet
- Full set of countermeasures against fading in order to maximize system performance

- 2xE1 wayside traffic per each SDH channels
- 1xT1 per each Transcivers
- Fixed or Adaptive Code Modulation Technique 4/16/32/64/128/256/512 QAM
- STM-1/OC-3 and Gigabit Ethernet (GE) interfaces are available with any mix of combinations

- Easy on-site test and management without measuring instruments:
  - automatic IF-IF response adjustment
  - automatic SD DADE adjustment
  - automatic baseband DADE adjusment

LAYER 2 SWITCH FUNCTIONALITIES

- Native IP radio
- VLAN Management
- Spanning tree (STP/RSTP)

- Ethernet QoS (IEEE 802. /ToS/ DSCP)
- Link aggregation (L1)
- Traffic Shaping

TYPICAL APPLICATIONS

- 2G/3G/LTE Cellular Network infrastructure
- backup transmission medium to fiber optic links
- High capacity IP Radio Rings
- Wireless backbone for all regional and national networks

TRMD Main signal transmission unit

A high integration level to package in the TRMD; the Transmitter (TX), Receiver (RX), Mo-demodulator and base band functions.
The single cabinet can host up to 4 bidirectional RF carriers.
Minimization of frequency dependent spare parts has been achieved through the use of wide-band units.
Easy operation and maintenance: no adjustment or provisional settings are required.

MEMBER OF: ETSI   MEF   IWPC INTERNATIONAL WIRELESS INDUSTRY CONSORTIUM

COMPANY WITH QUALITY MANAGEMENT SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

siae microelettronica

Pulse Supply
909 Ridgebrook Road.,Sparks,Maryland 21152,USA
TEL : +1-410-583-1701 FAX : +1-410-583-1704
E-mail: sales@pulsesupply.com https://www.pulsesupply.com/siklu

PulseSupply pulsesupply.com