

## Solutions for Fiber-to-the-Building



**SI3000 Peso - 1U VoIP Gateway**  
*Carrier-class FTTB telephony*

### SI3000 PESO

# Iskratel's Smooth Transition from a PSTN to a FTTB Network

#### Key features:

- Stand-alone and Local Survivability
- Network or Local Web-based Management
- Supports SIP, H.248 and MGCP standard control protocols
- Huge assortment of user services
- Passive cooling

For Fiber-to-the-Building (FTTB) operators, the SI3000 Peso is a stand-alone VoIP gateway that offers a smooth transition from analog telephony to an IP network. The operator can easily upgrade the old POTS network without changing existing equipment or adding additional VoIP devices to each individual subscriber.

#### THE ISKRATEL APPROACH

Operators that build FTTB networks use Ethernet switches to connect subscribers via Cat5 UTP cabling. To offer telephony services

Peso VoIP Gateway for up to 32 subscribers. The SI3000 Peso is installed in the same wall-mounted rack as the Ethernet switch and can use existing inhouse copper-pair verticals or one copper pair from the UTP.

#### USING THE ISKRATEL SI3000 PESO VOIP GATEWAY

The SI3000 Peso is already a well-positioned product in operators' networks with the support of leading control protocols such as SIP, MEGACO (H.248) and MGCP. With a centralized network management system, remote line testing (online

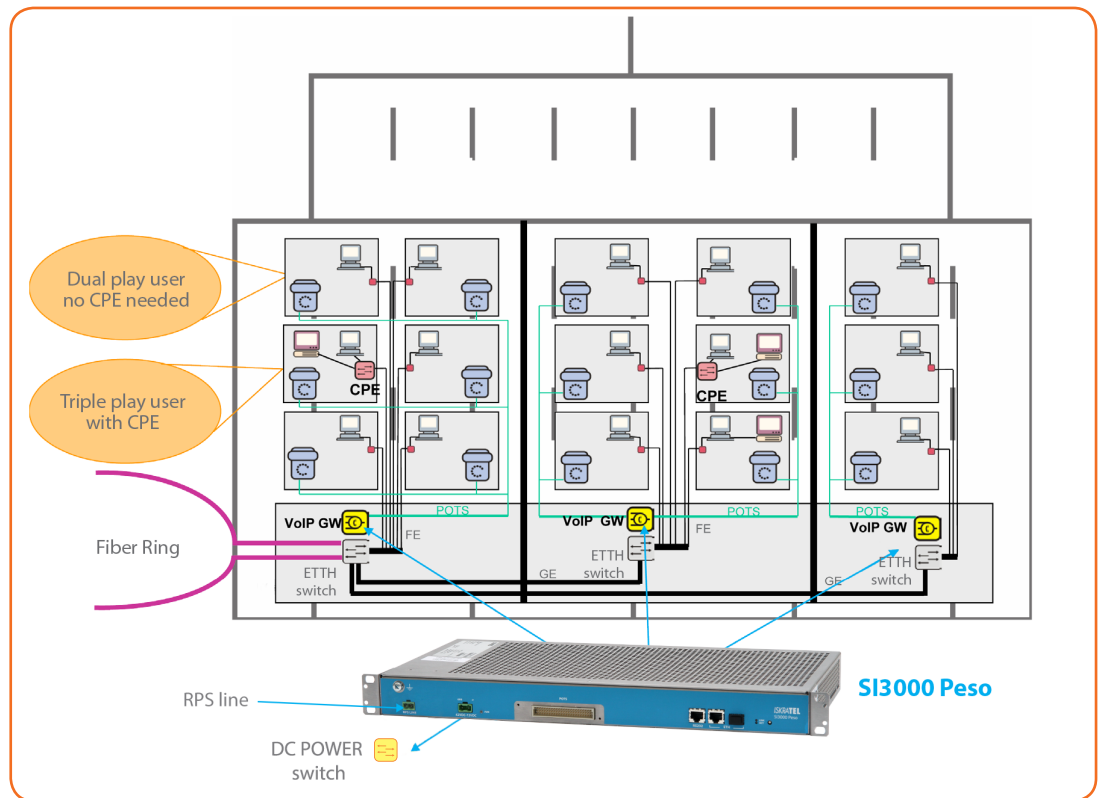


they have two main choices: to offer new VoIP phones or to offer a VoIP gateway for existing analog phones. The Iskratel approach is to offer a carrier-grade VoIP experience using the SI3000

and on demand), passive cooling, 32 analog POTS lines and many other features, the SI3000 Peso offers the only carrier-grade telephony solution for FTTB on the market.

## Why Iskratel SI3000 PESO?

- Interconnecting with legacy networks and terminal equipment to protect previous investments
- Decreasing the costs of a transition to an IP Network
- Attracting new customers with new services while keeping the existing subscriber base
- Quick installation. No in-apartment interventions.



## Operator benefits:

- Can work in extreme temperature conditions
- Remote Line Testing on-line and ondemand
- Northbound management interface for integration in operator's OSS/BSS
- Additional DC inlet for Redundant Powering or Central Office installations
- AC/DC or Remote Power System with 48 VDC output

## SI3000 PESO FEATURES

- Combo (RJ-45/optical SFP) Giga Ethernet uplink
- SIP, H.248, MGCP protocols for interoperability and rich Supplementary Services

*With a smooth transition to an IP network without the need to change your POTS equipment and with lots of new features, the SI3000 PESO helps you attract new customers and reduce your CAPEX and OPEX.*

- Local Call for local survivability, with CW, CT, 3PTY
- Integrated Remote Line Testing
- Fanless design for noise-free operation
- Temperature-resistant design for reliable in-box operation, at an ambient temperature up to +55°C
- Cascade port to cascade up to 3 additional Peso units

- AC powered 1U chassis for indoor installations in residential buildings and business offices
- Additional DC inlet for Redundant Powering or Central Office installations
- Remote Powering over a single copper pair for remote installations and 48 VDC output for powering extra device

## QOS

There are two mechanisms for providing the quality of service (QoS): DiffServ on Layer 3 and CoS 802.1p/Q VLAN tagging on Layer 2. To increase the network security VLAN for the VoIP RTP stream and signaling can be different from VLAN for remote management. The SI3000 Peso is managed by the SI3000 Management System, which provides advanced management operations like fault monitoring, centralized SW upgrades, backup & restore and auto configuration. With the MNS north-bound interface it can be integrated in the operators' OSS/BSS environment.

**ISKRATEL**Group

Iskracom, Naurizbay batyra 17, office 213, 050004 Almaty, Kazakhstan, phone: +7 727 244 82 22, fax: +7 727 244 82 19, e-mail: info@iskracom.kz, www.iskracom.kz

Iskratel, Ljubljanska cesta 24a, SI 4000 Kranj, Slovenia, phone: +386 4 207 20 00, fax: +386 4 202 26 06, e-mail: info@iskratel.si, www.iskratel.com

Iskratel Baku, Fazail Bayramov str. 2, kvartira 2, AZ1025 Baku, Azerbaijan, phone: +994 12 496 73 71, e-mail: info@iskratel.az, www.iskratel.az

Iskratel Bosnia and Herzegovina, Kulovića 3/IV, 71000 Sarajevo, BiH, phone/fax: +387 33 225 602, e-mail: emir.cengic@iskratel.si, www.iskratel.com

Iskratel Moldova, Teatralniy pereulok 15, Kishinev, Moldova, phone: +373 22 20 03 03, fax: +373 22 21 00 02, e-mail: iskratel@mtc.md, www.iskratel.com

Iskratel Poland, Legnicka str. 55/4, 54-203 Wrocław, Poland, phone: +48 71 349 29 05, fax: +48 71 349 29 02, e-mail: m.trzcinski@iskratel.pl, www.iskratel.com

Iskratel Tashkent, pr. Amira Temura, 99A, 100084 Tashkent, Uzbekistan, phone: +998 71 234 38 89, e-mail: sharifov@iskratel.si, www.iskratel.com

Iskratel Turkey, Bestekar Sevki Bey Sokak No 34, Balmucmu Besiktas Istanbul 34349, Turkey, phone: +90 212 211 1020, e-mail: samo.ivancic@iskratel.si, www.iskratel.com

Iskratel Ukraine, Sichovykh Striltsiv st. 72a, 04050 Kiev, Ukraine, phone: +380 44 394 50 00, fax: +380 44 394 50 12, e-mail: itu@iskratel.si, www.iskratel.com

Iskrauratel, Komvuzovskaya str. 9a, 620137 Ekaterinburg, Russian Federation, phone: +7 343 210 69 51, fax: +7 343 341 52 40, e-mail: iut@iskrauratel.ru, www.iskrauratel.ru

ITS Iskratel Skopje, Kej 13 Noemvri, Kula 4/2, 1000 Skopje, Macedonia, phone: +389 2 323 53 00, fax: +389 2 312 05 58, e-mail: info@its-sk.com.mk, www.its-sk.com.mk