



Zyxel helps Ceparal Cooperativa deliver quality and high-bandwidth GPON FTTH service in Argentina

Ceparal Cooperativa has been providing electricity and telecommunications services to residents of Parada Robles, Argentina since 1969. With rapid population growth driving increased demand for higher internet bandwidth, Ceparal Cooperativa needed a qualified partner to upgrade its existing network. Zyxel stood out from the competition with its fast, cost-effective, and resilient GPON FTTH Solutions, which empowered Ceparal Cooperativa to cement an industry-leading position providing quality, high-bandwidth services.

Located just 80 kilometers from the province of Buenos Aires, Parada Robles is divided into more than 14 neighborhoods and includes two industrial parks. Along with steady population growth, increased reliance on bandwidth-intensive applications both at home and in commercial settings urged Ceparal Cooperativa to upgrade its existing network immediately.



Founded in 1969, Ceparal Cooperativa provides electricity and telecommunications services in Parada Robles, Argentina. It currently serves 5,000 internet and landline subscribers.

“Through our partnership with Zyxel, we successfully completed this project in a very short time. Now, we can provide our customers with the best possible service.”

Pablo Ghigliazza
Communications Department
Chief, Ceparal Cooperativa

Main challenges

Ceparal Cooperativa has endeavored to provide the best service to residential and enterprise customers in an environment of continuous population growth and constant demand for higher bandwidth.

Cepral Cooperativa selected Zyxel's GPON End-to-End Solutions for deployment flexibility and cost-efficiency. With Zyxel OLT1408A 1U Pizza Box 8-port GPON Optical Line Terminal, IES5206 Series 5U 6-slot Temperature-Hardened Chassis OLT, and PMG5671GA Dual-Band Wireless AC GPON HGU, Cepral Cooperativa upgraded its existing network and delivered FTTH service to meet diverse internet demands from residential, SoHo, and enterprise customers. In addition, Zyxel's cooperative local technical support allows Cepral Cooperativa to launch new services ahead of the competition with reduced deployment time.

Thanks to Zyxel's centralized network management system, all network devices can be monitored, configured, and managed remotely. Thus, Cepral Cooperativa increases its operational efficiency with reduced service expenses.

"We needed a good technology partner for our business operations and to deliver our customers the best possible service. At the end of our survey, we found Zyxel's products," said Pablo Ghigliazza, Cepral Cooperativa Communications Department Chief. "We knew we had made the right decision at the end of the project, which was completed in a very short time, according to our requirements. Thanks to everyone who contributed."

Featured products

OLT1408A

1U Pizza Box 8-port GPON OLT

- Eight ITU-T G.984-compliant GPON ports; each port supports up to 128 ONTs
- Four 10G, eight 2.5G and eight 1G uplink ports
- Comprehensive QoS for enhanced triple-play experience
- Field-proven IGMP snooping and proxy for IPTV deployments
- Sophisticated OAM&P features
- Compact size and front access design for easy installation and deployment
- Zero-Touch Provisioning for fast ONT commissioning
- Layer 3 routing support and ACL for improved network traffic control



IES5206 Series

5U 6-slot Temperature-Hardened Chassis OLT

- Maximum 64-port GPON density
- Integrated with OLC3416-42A 16-port GPON Line Card
- Flexible ACL, VLAN-aware DHCP, and anti-IP/MAC address spoofing to prevent malicious attacks
- Board-Level Vectoring (BLV) and System-Level Vectoring (SLV)
- Full redundancy of management card and power module
- Sophisticated OAM&P features
- Temperature-hardened for flexible installation

PMG5671GA

Dual-Band Wireless AC GPON HGU with 4-port GbE LAN

- Concurrent dual-band wireless circuit design
- Remote management via OMCI and APS
- Zyxel-developed OPAL for superior flexibility and faster time to market



NetAtlas

NetAtlas Element Management System

- Intuitive Graphical User Interface (GUI)
- Fast system recovering
- Up to 300 concurrent remote login clients
- Periodical configuration file backup
- Batch firmware upgrade and service provisioning
- XML/SOAP northbound interface supported

For more product information, visit us on the web at <https://service-provider.zyxel.com>

Copyright © 2022 Zyxel and/or its affiliates. All rights reserved. All specifications are subject to change without notice.

Customer story [Cepral Cooperativa](#)

