# WHOLESALE PORTFOLIO AND ONE STOP-SHOP-STRATEGY

Fastweb Wholesale gives its customers an **integrated access to the entire market footprint** and to the most advanced technologies: the **one-stop-shop** approach guarantees to Operators the widest coverage, a complete product portfolio and full automation in service and process management.

The Fastweb Web Portal is an integrated **self provisioning platform** while API services allows Operators to interconnect their IT systems to those of Fastweb Wholesale, greatly optimizing operations and efficiency. API services are available for covering, quoting, ordering and provisioning, in REST, SOAP and MEF Sonata interconnection protocols.

## INFRASTRUCTURE

**DARK FIBER**
Dark fiber for backbones, backhauling and high-speed metropolitan networks.

**IP TRANSIT & PEERING**

**HOUSING**
Owned Data Center and latest generation Iaas Services.

## FOOTPRINT

Wholesale footprint for consumer and business services is constantly evolving with the most advanced technologies.

## RESIDENTIAL & BUSINESS MARKET

**OTN/WDM**
TRANSPORT

**L2 ACCESS SERVICES**
POINT TO POINT
POINT TO MULTI-POINT

**L3 ACCESS SERVICES**
INTERNET ACCESS & VPN
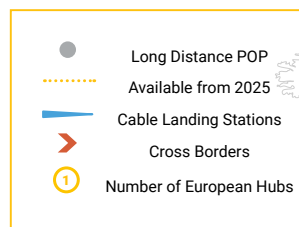FAST INTERNET ACCESS
MOBILE DATA CARD
VOICE OTT

# FASTWEB LONG DISTANCE NETWORK

Fastweb can play a primary role for **capacity backhaul** thanks to the capability to transport high capacity signals **(capillary optical network in a meshed way)** from the main sea-cable landing stations, data center or carrier Pops from each point of Italy.

The Fastweb Network directly reaches the **main European POPs**.

Through partnership with the most important international carriers, Fastweb Wholesale makes connections possible everywhere, in Italy or abroad.

Fastweb owns TIER III, TIER IV and RATED IV **Data Center** in Milano and Rome and is a shareholder of the Open HUB Med Consortium located in Sicily.

## MAIN FEATURES

A new generation network capable of collecting and transporting traffic on 100Gbps, 200Gbps and 400Gbps.

- Full flexibility and re-sharpening of optical domains
- Multi-degree node
- Flexibility and scalability of capacity
- Co-existence of photonic (DWDM) and electrical dominion (OTN)
- T-SDN ready architecture
- Unprotected and protected links with restoration option availability
- Integrated monitoring tools to reduce trouble-shooting time
- Multiple paths ensuring high reliability

## ADDITIONAL PRESENCE

*OWNED*
*DATA CENTERS*
Milan and Rome
Tier III
Tier IV
Rated 4 Certified

### DATA CENTER

- **Milano** - Irideos
- **Milano** - Cdlan
- **Milano** - Data4
- **Milano** - Equinix ML2 ML3 ML5
- **Milano** - Stack
- **Ponte S.Pietro (BG)** - Aruba
- **Arezzo** - Aruba
- **Roma** - Aruba
- **Roma** - Namex
- **Roma** - Tecnopolo
- **Roma** - Cloud Europe
- Main Carrier POP
- Main Italian NAPs
- Main international NAPs
(DECIX, AMSIX, LINX)

### MAIN CABLE LANDING STATION

- **Palermo** - Sicily Hub
- **Mazara del Vallo** - Mena
- **Mazara del Vallo** - GO
- **Genova** - Lagaccio
- **Pozzallo** - Melita
- **Carini** - Open Hub Med

# TRANSPORT NETWORK (OTN/WDM)

## DEDICATED BANDWIDTH TRANSPORT SOLUTION

Multiple architectures are available to design **protected and unprotected** circuits in **single** and **dual homing** solutions. Thanks to **OTN technology, the** Fastweb **long-distance network** allows to increase the bandwidth capacity on the transport level and to expand compatibility with major protocols.

# LAYER 2 ACCESS SERVICE

## Ethernet high-capacity transport solutions to meet Carriers' connectivity needs

### POINT TO POINT SERVICE

A dedicated symmetric valuable connectivity with guaranteed bandwidth, designed for business market.

• Multi-technology coverage (both fiber and copper)

• Customized and highly reliable solutions with access from 10Mbps to 10Gbps

• MEF 2.0 certified

• 1 and 10Gbps NNI from 1 to 8 collection point with Link aggregation and Kit protection options

### POINT TO MULTI-POINT

Wide national **UBB coverage.**

• Multi-technology footprint guarantees a widespread coverage on the whole Italian territory

• Up to 3 V-LANs and service classes through 5 CoS values

• SLA Provisioning e Assurance among the best of the market

# LAYER 3 ACCESS SERVICE

## The managed Layer 3 connectivity that allows access to the Big Internet with high performances

### INTERNET ACCESS (DIA) & VPN

Layer 3 connectivity that allows access to the BIG Internet without bottlenecks and with performance and SLA business:

• Dedicated Management Team

• Backup link and anti DDoS solution available

• Scalability up to 10 Gbps in multi-technology profiles with excellent network reliability

### FAST INTERNET ACCESS

Ultra-broadband Internet Access fully managed by Fastweb (no NNI, turn-key solutions) designed for residential market.

FIA service is a f**lexible and scalable service that can be activated anywhere** thanks to the wide coverage of the Fastweb network. Avilable through self provisioning platform, it offers a fully digital customer experience.

### MOBILE DATA CARD

Data card is an only-data 5G mobile service which allows to design **stand-alone solutions** or integrate **fixed connectivity services**. Through a customer portal the operator can monitor SIMs traffic and manage thresholds.

### OTT VOICE VOIP

VOIP service that can be activated on Layer 2 and Layer 3 data connectivity, compatible with traditional devices. The service includes the **activation of geographical numbers**, and the voice traffic is completely pay-per-use.

## DIGITAL EXPERIENCE

### API & Customer Portal
### to manage your services

# *FASTWEB IN A NUTSHELL*

Fastweb is one of the leading telecommunication operators in Italy with one of the **most extensive proprietary ultra-broadband infrastructures** in Europe.

Today Fastweb's network infrastructure is **more than 78.000 kilometers** long and spans the entire country, providing connectivity through dedicated fiber, ftth gpon, vdsl and 5G.

Thanks to the expansion and upgrading of its ultra-broadband network, Fastweb reaches a total of **26 millions households**, both consumer and business.

## *Through its purpose, Fastweb aims at a future...*

### MORE CONNECTED

The ultra-broadband network and digital solutions contribute to the digitalization of the country.

### MORE INCLUSIVE

Offering everyone the best training tools to take part in the digital revolution and seize its opportunities.

### MORE ECO-SUSTAINABLE

Objective: become Net Zero Carbon within 2035.
The focus is on energy efficiency, resource use and sustainable digital solutions.

**FASTWEB WHOLESALE**

fastweb.it/wholesale