

Lantastica TZR5

Laser modem of wireless GBIT 5G communication

WE GET CONNECTION WHILE OTHERS GET WIRE!

WIRELESS OPTICAL DATA TRANSMISSION

FSO – Free Space Optics

Free Space Optics is a communication technology that makes it possible to transmit data, voice and video without fibre optics or radio.

FSO systems is an effective WIRELESS alternative to broadband circuit point-to point.

ADVANTAGES



Stealth and safe



**Better
throughput
capacity**



**Rapid installation
of transmission
channel**



**RF noise
resistant**



Mobility



**Cost
effectiveness**

Lantastica TZR5* MODEM

A couple of modems create laser noise resistant wireless optical connection at up to **2000 Mbit/s**.

For up to 100% of time the connection is operated as **Gigabit Ethernet** channel, then during a short period of time as Fast Ethernet and/or at a speed of protection WiFi/DSL channel.

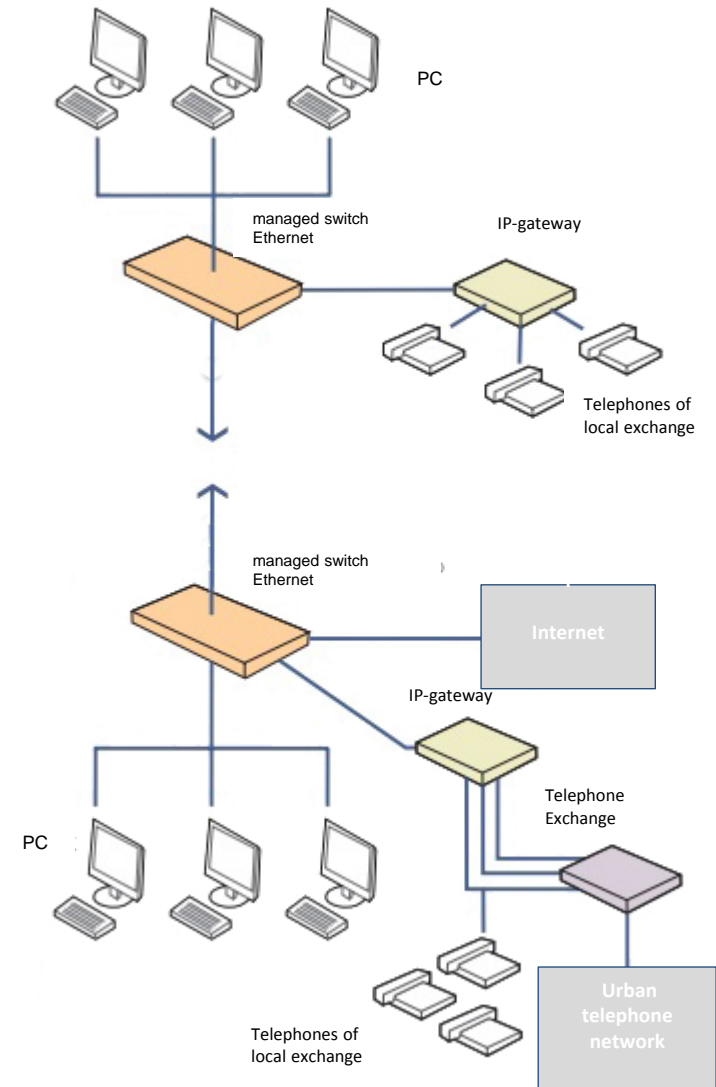


*developed by OOO “Optical TeleSystems”, subsidiary company of OOO NPK “KATHARSIS”
More information on the project at optica.ru

SPECIFICATION (TZR5 model)

- ✓ **Auto Track** - solves the matter of continuous connection of modems
- ✓ **Auto Zoom** - secures the required quantity of energy in FSO channel
- ✓ **Auto Rate** - secures optimum data transmission speed in FSO channel and switches it to radio protection and vice versa

- Guaranteed data transmission under any weather condition if protection is available
- Support of remote control and observation protocols TELNET, file transfer protocol FTP, SNMP and HTTP (WEB) monitor protocol.
- Support of virtual local area network VLAN.
- Application of TRUNK for protection switches FSO to protection immediately.
- Support of Auto Negotiation, Auto MDIX, POE protection control and supply modes.
- Automatic control of optical elements heating.
- Remote updating of continuously improved software.



APPLICATION AREA

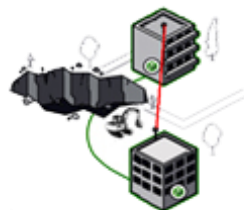
Solutions for telecommunications operators, governmental, corporate and private customers



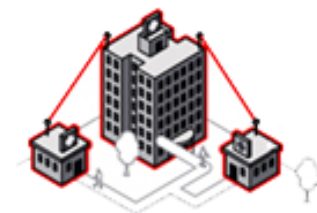
Wireless channel to
base station of cellular
network 5G/LTE



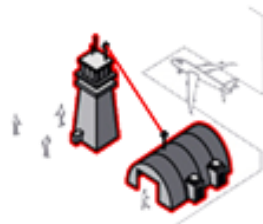
Joining new subscribers to
existing cable network



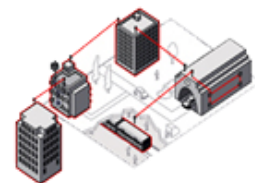
Wireless channel for immediate
installation or temporary
communication channel to
organize transmission



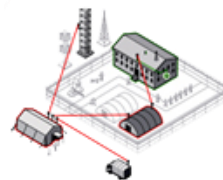
Connection of state
infrastructure sites,
government facilities



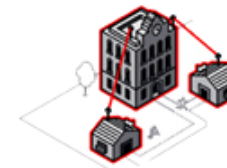
Wireless channel does not
create obstacles to radio and
radar systems of facilities of
special protective zones



Wireless high-capacity
channels for sections of last
mile



Secure channels that cannot be
intercepted or silenced for
special and military facilities



Wireless high throughput
networks for university and
campus

OUR CUSTOMERS

About 3000 links have been installed all over Russia for 20 years of our activity in the market.



CONTACTS

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