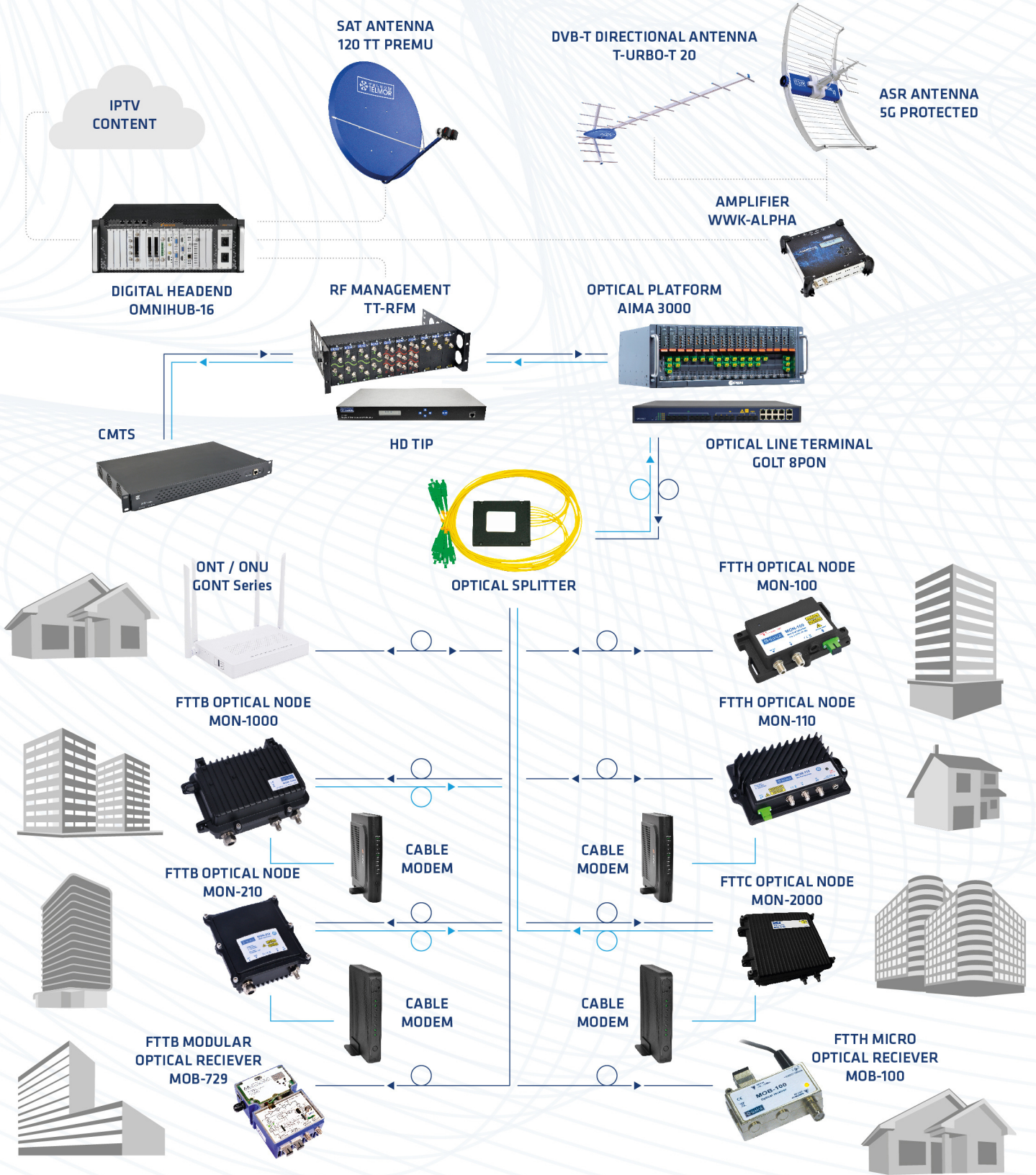
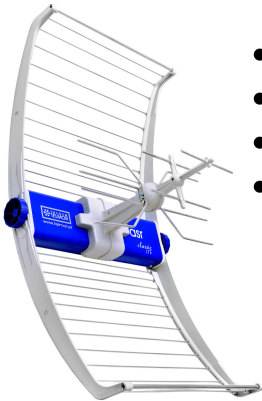


NETWORK SIGNAL DISTRIBUTION



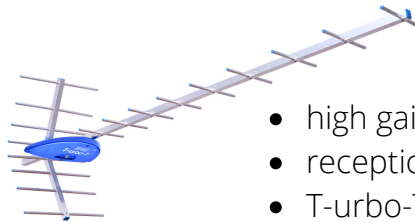
SIGNAL RECEPTION SYSTEM

asr classic 5G PROTECTED ANTENNA



- includes band stop filter (SAW) for 5G and LTE
- has very large antenna power gain and built-in
- solid and aesthetic structure
- preamplifier powering 5...24V DC

T-URBO-T 20 DIRECTIONAL ANTENNA



- high gain up to 14dBi
- reception of UHF - DVB-T, DVB-T2
- T-urbo-T technology - natural LTE filter

120 TT PREMUSAT ANTENNA



- 0.8 mm galvanised painted steel
- 6-point fixation of the dish
- colours: white, graphite, blue
- mast diameter: 40-60mm
- half-power beam width 2.6 degree

WWK-ALPHA DIGITAL AMPLIFIER



- 32 digital channel processors
- amplifies and converts digital signals
- all 32 channels can be converted to desired frequencies
- LTE and 5G protected
- high selectivity >35dB
- input ports isolation >30dB
- FM + AUX
- DVB-T/ DVB-T2 compatible

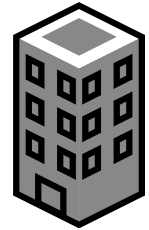
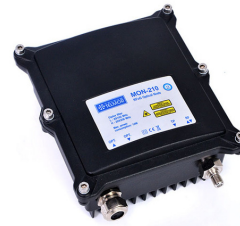
Dedicated for FTTB and RFoG networks

OPTICAL NODE MON-1000



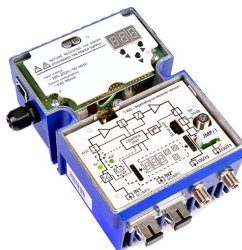
- high output RF level - 116/112 dB μ V
- frequency range 1.2 GHz
- built-in AGC (Automatic Gain Control)
- compatible with SCTE 174 • DOCSIS 3.1
- modular optical return path
- HDTIP compliant

OPTICAL NODE MON-210



- 1310 nm, 1610 nm or other CWDM
- wavelength in return path
- compact housing
- burst mode ON/OFF
- low power consumption
- dual diplex technology
- HDTIP compliant

MODULAR OPTICAL RECEIVER MOB-729

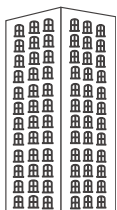


- bandwidth - 47... 862 MHz
- uninterruptible local or remote control
- monitoring via SNMP and WWW interface
- measurement of the RF output signal level
- optional second input with redundancy
- RF output plug-in

RECEIVER & OPTICAL NODE

Dedicated for FTTH & FTTB networks

MicroRFoG NODE MON-100



- **DOCSIS 3.1**
- compact housing
- burst mode ON/OFF
- low power consumption
- IP 54

- max output level: 80dB μ V
- automatic gain control
- 1 diplex filter
- cost effective

FTTH OPTICAL NODE MON-110



- max output level: 96dB μ V
- eco mode, AGC
- remote management
- 2 diplex filters
- HDTIP compliant

MICRO OPTICAL RECEIVER MOB-100



- built-in AGC
- low noise wideband receiver
- 3-stage indicator of optical input power
- solid die-cast aluminium housing
- dedicated plastic housing for indoor installation
- max output level - 80dB μ V



MODERN HEADEND

RF MANAGEMENT TT-RFM



- HFC - 1.2GHz modules (3 types)
- SAT - 0,95-2,2GHz (signal management)
- Top quality RF splitters and combiners
- high isolation and return loss
- chassis designed for cable and signal organizing

HD TIP



- Network Management System
- over 5000 devices controled
- alarms, management and network upgrade tool
- SNMP, Webinterface
- control over optical nodes, amplifiers and optical receivers

PBN AIMA 3000, Modular Optical Platform



- 1.2 GHz Advanced Intelligent Multi-Service Headend Platform (AIMA3000)
- fully compatible with DOCSIS3.1
- high density with 16 single, dual, quad, or octal application modules in one 4RU headend platform
- efficient low power consuming modules reduce operating expenditures
- hot-swappable application modules with auto-configuration

MODERN HEADEND

DIGITAL HEAD OMNIHUB-15



- modular headend for DVB, IP, encoding
- dense design: 4 RU with up to 16 functional modules
- supports 120 IP inputs and 120 IP outputs, SPTS/MPTS
- service level multiplexing
- dual redundant power supplies

CMTS

DOCSIS 3.0 and 3.1 version



- user-configurable 32 connected DS channels with 64/256/1024 QAM and a maximum of 1.0Gbps at 1024 QAM
- user-configurable 8 combined US channels with QPSK / 3 ~ 8 QAM and a maximum of 160Mbps
- layer 3 routing, static route, policy route, VLAN, L2VPN, ACL support
- built-in DHCP / TFTP server, DHCP relay support, CPE subnetwork; support for option 82, option 60

Optical Line Terminals GOLT 8 or 16 PON



- 8 or 16 GPON ports, Uplink: 6x GE (SFP) + 2x10GE (SFP+) + 8GE
- automatic detection and update of ONU software
- extensive and free management system via WEB / CLI / EMS
- power redundancy
- L2 and L3 support
- cooperation with ONU of other suppliers

Find us-> www.telmor.pl/en and



CONTACT:

Jakub Ułanowski - Manager / Western Europe
+48 798 955 400 / jakub.ulanowski@telmor.pl

Mikolaj Bahdanau - Manager / Central & Eastern Europe
+48 508 466 284 / mikolaj.bahdanau@telmor.pl