

The Easiest
The Fastest
The Most Complex

4–24 GHz | 384 / 920 Mbps



Features

- ▲ Frequency bands 4–24 GHz
- ▲ License exempt 5, 17 and 24 GHz *)
- ▲ Transmission capacity up to 384/920 Mbps, 768 Mbps/1.8 Gbps for 2+0 configuration
- ▲ Fast / Gigabit Ethernet
- Optic / Electrical interface
- ▲ Jumbo packets up to 10,240 Bytes
- ▲ Modulation type QPSK to 256 QAM
- ▲ Adaptive coding & modulation (ACM)
- ▲ Forward error correction (FEC)
- ▲ Automatic TX power control (ATPC)
- ▲ All Outdoor design with antennas 0.35, 0.65, 0.9 and 1.2 m
- ▲ Full overvoltage protection of ODU unit
- *) SRD equipment

Management

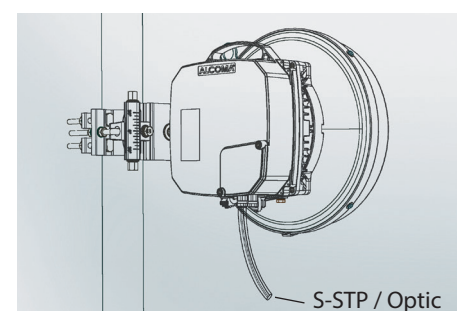
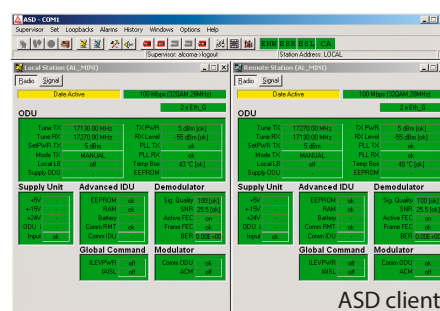
- ▲ Proprietary network management system ASD
- ▲ SNMP protocol
- ▲ WEB interface
- ▲ SQL database
- ▲ Command line interface
- ▲ Independent diagnostic channel
- ▲ Software configurable
- ▲ System configuration 1+0, 1+1 or 2+0

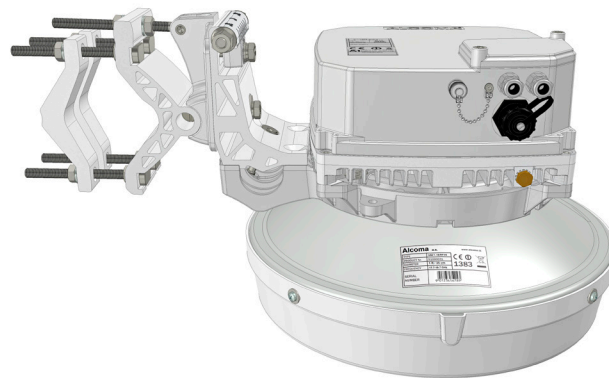
Applications

- ▲ Local/Metropolitan/Wide area networks
- ▲ IPTV distribution
- ▲ Last miles

Protected Terminal Box

- ▲ Full overvoltage protection
- ▲ Can be mounted to DIN rail TS 35
- ▲ Can be installed in rack
- ▲ Three boxes can be joined together and installed as standard 1U 19" rack unit





New UNI® Antennas

General	4/5 GHz	6 GHz	7 GHz	8 GHz	10 GHz	11 GHz	13 GHz	17 GHz	24 GHz
								License Free	
Operating Frequency Range (GHz)	4.1–6.2	5.85–7.125	7.11–7.9	7.725–8.5	10.0–10.68	10.7–11.7	12.75–13.25	17.1–17.3	24.0–24.25*)
TX / RX Spacing (MHz)	186	150–340	154–254	119–311	91/168/350	490/500/530	266	–	–
Channel Spacing (MHz)	7/14/28/ 40/56/80	7/14/ 28/56	7/14/ 28/56	3.5/7/14/ 28/56	3.5/7/14/ 28/56	28/40/56	7/14/ 28/56	7/14/28/ 56/80	3.5/7/14/28 28/56/80/112
Capacity (Mbps)	5–384 / 5–920							5–920	
Modulation	QPSK/8/16/32/64/128/256/512/1024 QAM								
Frequency Stability	< 10 ppm								
Forward Error Correction	Trellis Coded Modulation with Concatenated Reed-Solomon error correction								
System Configurations	1+0, 1+1 or 2+0								
Radio									
TX Power max. (dBm)	23/18	23	23	23	9	24	26	SRD 20 EIRP (12 dBm max.)	
Automatic Transmit Power Control	ATPC								
Adaptive coding & modulation	ACM								
Interfaces									
2× 100Base-TX / 2× 1000Base-T, connector RJ-45 VLAN packets up to 10,240 bytes Auto Negotiation, or manual setting 1000/100/10 Full / Half Duplex, Flow Control, Auto MDIX, Master/Slave Option: fiber optic 1000Base-SX or 1000Base-LX									
Management									
Diagnostic channel with Ethernet / RS-232 interface									
Proprietary Network Management System ASD									
SNMP protocol ver. 1									
Antennas									
0.35 m gain (dBi)	–	–	–	–	28	29	33	33	35
0.65 m gain (dBi)	28	30	30	32	34	35	38	38	40
0.9 m gain (dBi)	–	–	–	35	37	38	41	41	43
1.2 m gain (dBi)	34	36	36	38	40	41	44	44	45
Class	RPE Class 2 or Class 3								
Polarization	vertical or horizontal							dual polarized	
Power supply									
=48 V	+36 to +72 V								
Power consumption	up to 35 W							25 W	
ODU	S-STP Cat.7 cable up to 100 m length, or fiber optic cable								
Operating Temperature									
ODU	–33 to +55 °C								
Protected Terminal Box	–5 to +55 °C								
ODU Dimensions and Weight									
Dimensions Width × Height × Depth	25.5 × 30.1 × 13.3 cm								
Weight	5.1 kg								

*) SRD equipment | ver. 130919



About ALCOMA

ALCOMA a. s. is a leading designer and producer of microwave radio relay links from the Czech Republic. The company was founded in 1993. All production is manufactured in its own factory in Prague.

alcoma@alcoma.cz | www.alcoma.com

ALCOMA