

PARAMETERS

GENERAL RF

Frequency band	17,1 - 17,3 GHz
Channel bandwidth	14 to 140 MHz
Asymmetric Bandwidth	YES
FEC	Reed-Solomon, Interleaving
ACM	YES
Frequency stability	± 5 ppm

MECHANICAL

Mechanical concept	Full Outdoor
Dimension	145 mm x 240 mm x 240 mm
Weight	3,5 kg

TRANSMITTER

Output power (one radio)	-25 to +6 dBm (± 1 dB) *
APC (Automatic Power Control)	YES
APCmin, APCmax	YES
Regulation APC by RSSI	YES

* +4dBm with modulation 256 QAM
+6dBm with modulation 4-128 QAM

POWER SUPPLY & CABLE

Power Over Ethernet	IEEE 802.3at (PoE+)
Separate DC power supply	20-57 VDC
Power consumption	up to 35 W
Ethernet cable Outdoor	FTP CAT5e max. 100 m

TRANSMISSION CAPACITY

Symmetric Bandwidth [MHz]	Modulation	Capacity of radio [Mbps]	Sensitivity	
			for BER 10-6 [dBm]	for BER 10-9 [dBm]
90	256 QAM	620	-61	-59
90	128 QAM	541	-65	-63
90	64 QAM	464	-68	-66
90	32 QAM	387	-72	-70
90	16 QAM	309	-75	-73
90	4 QAM	154	-79	-77

Asymmetric Bandwidth [MHz]	Modulation	Capacity of radio [Mbps]	Sensitivity	
			for BER 10-6 [dBm]	for BER 10-9 [dBm]
140 / 40	128 QAM	843 / 240	-63	-61
140 / 40	64 QAM	722 / 206	-66	-64
140 / 40	32 QAM	602 / 171	-70	-68
140 / 40	16 QAM	481 / 137	-73	-71
140 / 40	4 QAM	241 / 68	-77	-75

ENVIRONMENTAL

Operational temperature	-20°C to 50°C
Ingress Protection	IP-67

COMPLIANCE

IEEE 802.3	1000 Base-TX, 1000 Base-T
IEEE 802.3az	Energy Efficient Ethernet
IEEE 802.3x	Flow Control
IEEE 802.1q	VLAN tagging, QinQ
IEEE 802.3u	Auto-Negotiation protocol
IEEE 802.3at	Power Over Ethernet plus

ANTENNAS

Type	Diameter [cm]	Gain [dBi]
ANT 17D35-C3	35	33
ANT 17D65-C3	65	38
ANT 17A90-C3	90	40
ANT 17A120-C3	120	42

USER INTERFACE

Eth1, Eth2	2 x 10/100/1000 Base-T
SFP1, SFP2	2 x 1000Base-SX / 1000Base-LX
GUI	SMS (Windows, Linux-Wine)
WUI	SMS (Web browser, read-only)
MUI	SMS (Android, iOS)



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