

# Antenna Line Configurator (ALC) For Antenna Line Devices (ALD)



## Antenna Line Configurator

Type No.	86010156
Connector* to RCU/TMA	1 x 8-pin connector according to IEC 60130-9, female, conforming to AISG RF-connector (SMB male)
Input voltage of ALC	20 – 30 V DC
Display	Touchscreen, sunlight visible
Tiltensor	Measuring range $\pm 80^\circ$ , accuracy $\pm 1^\circ$
Output voltage to RCU's/ TMA's	AISG female pin 6 (24 V DC): 20–30 V DC AISG female pin 1 (12 V DC): 10–15 V DC RF male (at 24 V DC): 10–30 V DC ** RF male (at 12 V DC): 10–15 V DC **
Output power (power supply to RCU's/ TMA's)	AISG female pin 6 (24 V DC) without load on pin 1 (12 V DC) and on RF-plug: $\leq 15$ W AISG female Pin 1 (12 V DC) with max. 7.5 W load on pin 6 (24 V DC) and/or on RF plug: $\leq 7.5$ W
Current monitoring measurement level	Per branch (12 V, 24 V, RF): 10–1500 mA
Over-current protection	Per branch (12 V, 24 V, RF): $< 1500$ mA
Interface to RCU/TMA	RS 485 / power supply / RF connector (SMB male)
Protocol to RCU/TMA	HDLC hex-coded command set, conforming to AISG 1.1 and 3GPP / AISG 2.0
Interface	W-LAN (802.11n), USB (1.1 / 2.0)
Max. number of RCU's/TMA's	9/1 pcs., depending on system configuration and length of control cable
Max. length of control cable	200 m / 9 RCU's (in daisy chain configuration) 150 m / 6 RCU's (in splitter configuration)
Internal memory	380 MB
Weight	1 kg
Protection class	IP 54
Temperature range (operating)	$-20 \dots +45$ °C ambient temperature
Temperature range (charging)	$0 \dots +30$ °C ambient temperature
Dimensions (H x W x D)	265 x 102 x 37 mm
Packing size	400 x 280 x 85 mm
Power supply	LiPo-battery (14.8 V, $> 2000$ mAh)



\* Tightening torque for fixing the connector must be 0.5 – 1.0 Nm ('hand-tightened').

The connector should be tightened by hand only!

\*\* Switchable with software

Certificate: CE  
FCC part 15 class B  
UL (for external power adapter)

Standards: EN 60950-22  
EN 55022  
EN 55024

Scope of supply: ALC  
Charging device (can also be used as external power supply)  
USB cable  
RET cable  
HF cable (SMB / 7-16)  
Quick Guide  
Transport case

