LANSEN Configuration dongle

DEVICE

The LAN-WMBUS-D2-TC is a USB connected configuration and sniffer dongle. Is is used for wireless configuration of the following:

- R3/R4 (repeaters)
- B4 (bridge)
- O-P (outdoor pulse meter)
- MOD-TP (modbus master)

The device can also be used as a sniffer / collector for receiving Wireless MBUS data. The device is connected to the USB interface on a PC running Windows operating system and the USB is used for both data and powering the device.

ANTENNA

The device have an integrated PCB antenna.

MBUS MODES

The dongle can at the same time receive T- and C-mode or changed to receive in S-mode.

FIRMWARE

MODES	T- and C-mode or S-mode (configurable) on
	868MHz
MAX PACKET LENGTH	255 bytes
SECURITY	Supports reception of Security Profile A and B
	according to OMS 4.

RADIO

RADIATED POWER	< 10 dBm	
SENSITIVITY	Down to S/T,C	-103 dBm/-101 dBm

GENERAL INFORMATION

POWER SUPPLY	5 VDC
STANDARDS	2014/53/EU (RED)
	EN 13757-3/4:2013, OMS 4.0.2*

TEMPERATURE	-20° / +55°
ENCLOSURE	White ABS , 25 $$ x 65 x 12 mm

POWER/LIFETIME

CURRENT Less than 100 mA

DEVICES

 ${\sf LAN-WMBUS-D2-TC}\quad {\sf Configuration\ dongle\ T-\ and\ C-mode}.$

LANSEN CONFIGURATOR

The dongle is used together with the freely available windows tool Lansen Configurator. The tool is used for both configuration and for sniffer functionalty.

With this tool it is also possible to see the routed data retransmitted by the repeater, the RSSI value etc.

USB dengle A	AtoDetect ~	Convett		
Conlig Facket Sofler V2				
Configure Respector II	D	Connect Deconnect Restart Papeader	Note: Enterrespeater ID example: "01234567" and peak Connect. Note sure that the repeater is learning. A magnet can be used for "holking" the repeater.	
Current Repeater Versi	on Expected total batter	ty Waltine years		
Last Nessage From Re	sear		Note: The repeater accests C and T rocks. Dan't set S mode for output.	
MBUS-mode		Output 🗢 Remaining 🗸	Note: The repeater accepts C and T mode. Don't set 5 mode for output.	
Supersion timer:		Minutes		
Later tree:		Meuterr (1., 65000)	Note: The expression town with the minum-delp before a message from a meter is extransmitted again. Use this for minimizing traffic in the network. So if your need data every 50 minutes set this to 14. Needed data / 4	
Pause lower:		Minutes (2., 65000)	The listen time is the time in minutes the repeater is listening for incomming data before perig to since. (Pause Time). Note for Name prevent meeting wet Pause-Time to ()	
Magnet/weed timer.		Mex.tex (01000)		
Vininsal RSSI:		Value: (0110). Empty or 0 - not used	Read Time: In the number of minutes the repeater is latering for data after a magnet was used to wake the device. During this period the supression timer is ignored.	
Next Hop Repeater		Energie "01234567"		
Max hope		Value: 1 or 3	Note: Add the next repeater that is closer to the gateway. If the next hap is the gateway leave empty. This settings should only be used for bettery operated repeaters.	
Retracted research		Ensweis: 12212212	Note: Max Hop should be 3 in order for repeater to be unable in multihop	
			installations	
Retransmit repeater.			Note: Add the repeaters that this repeater should retrained data from. Mos & repeaters per level is supported	
Retransmit repeater				
Relament repeater				
ApparePast	TES 1	RSSI value is added by the repeater to all data		
Only Route Longest Pa	okes 🗌 YES	Only route longest packet. Used for Kansting etc.		
	Apply Charge			

