

Data sheet GCM (W)LAN GMM EC.1



ERP no.: 5206083

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1 GCM (W)LAN GMM EC.1

1.1 Functional description

The **GCM (W)LAN GMM EC.1** module is used to connect the GMM EC control unit to a WLAN and LAN network. Depending on the selected mode of operation, you can read out individual parameters from the control unit via the communication module or modify parameters from outside.

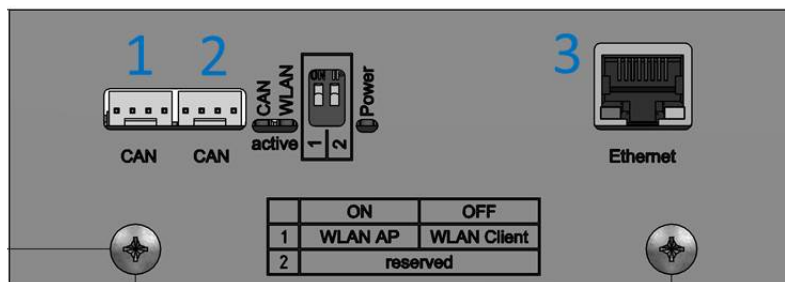
There is an app available for mobile devices (smartphone or tablet with Android or IOS operating system) that can be used to read and modify the parameters and operating status of the GMM. This app can be downloaded from the appropriate app store.

The parameters can also be displayed and modified via the integrated web interface.

1.2 Connections



Connections for GCM (W)LAN GMM EC.1



Port labelling

Label	Description
Port 1	CAN connection between GMM EC controller board and GCM (W)LAN GMM EC module
Port 2	CAN connection between GRC controller board and GCM (W)LAN GMM EC module
Port 3	Ethernet interface

1.3 LEDs

LED name	LED state	Description
All LEDs	on	Boot sequence
CAN active	off	No telegrams are being received from the CAN bus
	flashing	Telegrams are being received from the CAN bus
WLAN active	off	No active connection
	on	WLAN active in client mode
	flashing	WLAN active in access point mode
Power	off	No supply voltage
	on	Supply voltage is connected
Ethernet green	on	Ethernet connection is present
	flashing	Data packets are being exchanged via Ethernet
Ethernet orange	on	When the speed is 100 Mbit

1.4 Slide switch

Number	State	Description
1	off	Module operates as WLAN client
	on	Module operates as WLAN access point
2	off	No function (reserved)
	on	No function (reserved)

1.5 Electrical properties

	Min	Type	Max	Unit
Power supply	20	24	28	V
Current consumption	0.110	0.125	0.145	A
Power loss	2.9	3.0	3.1	W
WLAN				
Standards	IEEE 802.11a/b/g/n			
Safety	WPA2			
Frequency range	2.4GHz			
Transmission rate	6.5 to 72.2 Mbit/s			
Antenna	internal			
Range as built in	5	20	100	m
SSID	GUENTNER <serial number> (uses the last five digits of the serial number)			
Channel	1-11			
Network key	guentnerpwd (standard)			
Mode	Access point/client			
Default IP address:	192.168.0.1			
DHCP server address range:	192.168.0.1 – 192.168.0.24			
LAN				
Transmission rate	10	100	100	Mbit/s
Default IP address:	192.168.1.1			
Login Web-Server				
User	admin (standard)			
Password:	guentnerpwd (standard)			
CAN bus				
Dielectric strength	-24		24	A
Transmission rate		125		kbit/s
Terminating resistance	–	open	–	Ω

1.6 Installation / Operating conditions

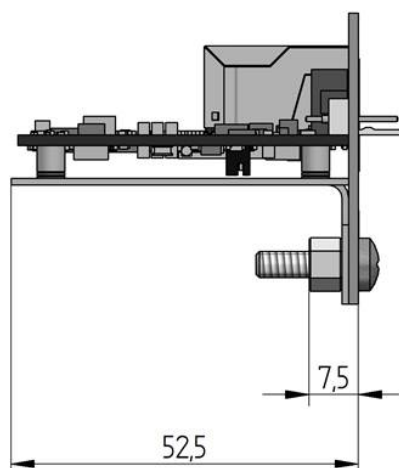
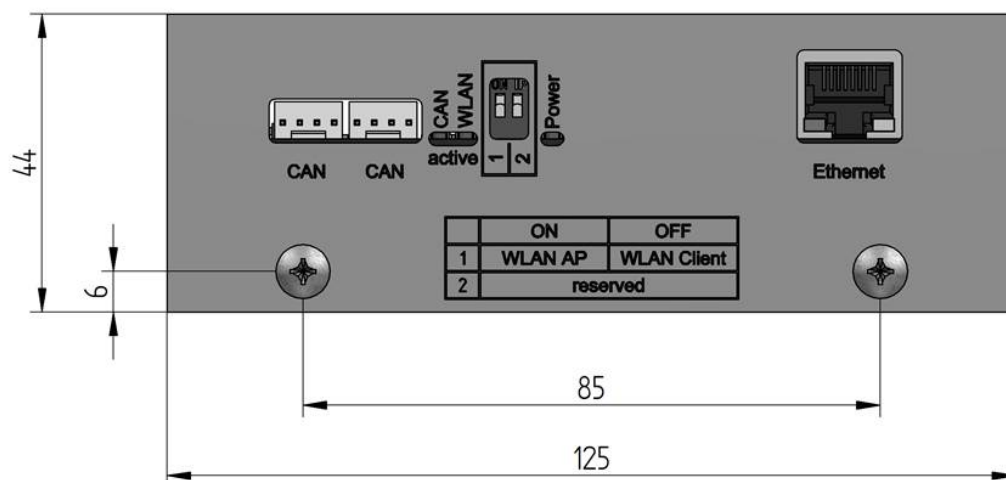
- The module is intended for installation in a GMM EC casing. Installation must only be performed by personnel with appropriate professional training.
- Temperature in operation: -20°C ~ +65°C
- Temperature for storage -20°C+70°C, dry and transport
- The unit complies with the EMC standards:
EN 61000-6-2 (Immunity for industrial environments)
EN 61000-6-3 (Noise emission for residential use)
IEC 61000-4-4/-5/-6/-11
ETSI EN 300 328 v1.8.1

1.7 Scope of delivery

- GCM (W)LAN GMM EC.1 module pre-assembled incl. installation material
- Cable assembly 200 mm
- Data sheet
- Installation instructions

1.8 Dimensions and weight

GCM (W)LAN GMM EC.1



All values in mm

Weight:
approx. 145g