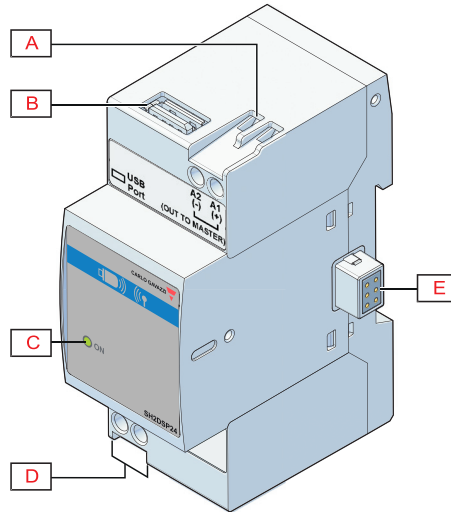# SH2DSP24 accessory module

Main features

- Compatible with UWP 3.0 system
- Mobile Internet connection
- Compatible with USB dongle modems
- Watchdog features to prevent common mobile network hassles

Main functions

- Remote access by Internet when a wired connection is not available
- Plug'n play configuration
- SMS alerting
- SMS commands
- Email alerting

Description

SH2DSP24 is a UWP 3.0 accessory module, that provides compatible Carlo Gavazzi devices with a reliable and cost effective way to connect to Internet by using mobile networks via dongle modem.
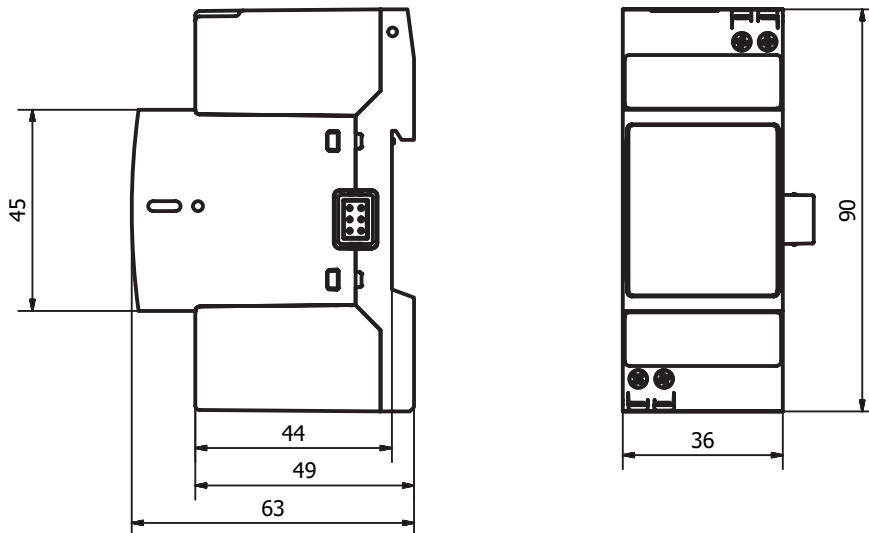
▶ **Structure**

Ele-ment	Component	Function
A	Power supply	Power supply connection block (IN, bottom/OUT, top) (Min./Max. screws tightening torque: 0.4 Nm / 0.8 Nm)
B	MODEM USB con-nection point	MODEM USB connection point
C	LED	LED (green), 2 status Steady off, power OFF Steady on, power ON
D	Power supply	Power supply connection block (IN, bottom/OUT, top) (Min./Max. screws tightening torque: 0.4 Nm / 0.8 Nm)
E	Local bus port	Connecting to UWP 3.0

Note: USB CONNECTION is active if the Dongle is connected AND the UWP 3.0 is connected to the SH2DSP24 AND the power supply is connected AND no USB peripheral connected to UWP 3.0 USB port

Features

General

Dimensions	2-DIN
Weight	< 600 g (packaging included)
Mean time to failure	MTTF/MTBF: 26 years Test conditions: gf (ground, fixed), 50 °C Standard: MIL-HDBK-217F
Material	Noryl, self-extinguishing V-0 (UL94)
Protection degree	Front IP40; Screw terminals IP20
Terminals	Cable section: 1.5 mm^2 max Screws tightening torque: 0.4 Nm / 0.8 Nm

Power Supply

Power Supply	12–28 VDC
Consumption	8.6 W

Environmental

Operating temperature	-25 to +65°C (-13°F to 149°F)
Storage temperature	-30 to +70°C (-22°F to 158°F)
Humidity (non-condensing)	R.H. from 0 to 90% (40°C)

Ports

▶ **Auxiliary bus**

Local bus connection	Master Proprietary UWP 3.0 connector

▶ **USB**

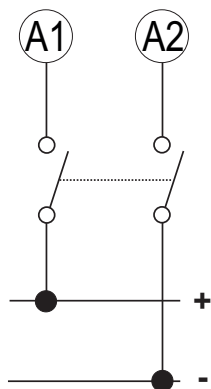| Type	USB 2.0 Standard-A receptacle
Terms of use	Mechanically compatible with standard USB dongle modem in the market

Connection Diagrams

Fig. 1 *Power supply*

References

 Further reading

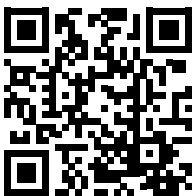| Information	Document	Where to find it
UWP 3.0 installation guide	System manual	www.productselection.net/MANUALS/UK/system_manual.pdf
UWP 3.0 software manual	UWP 3.0 tool manual	www.productselection.net/MANUALS/UK/uwp3.0_tool_manual.pdf

 Order code

 SH2DSP24

 CARLO GAVAZZI compatible components

Purpose	Component name/code	Notes
Controller	Sx2WEB24	
Bus generator	SH2MCG24, SH2WBU230N, SH2DUG24	
Modem	HUAWEI MS2131 (3G) HUAWEI E3531 (3G) Multitech QuickCarrier® USB-D (3G) TeleOrigin RB900L (3G, 4G) Digicom 8D5782DG4 - USB (4G) TELTONIKA TRM240 (3G,4G) Multitiech MTCM-LNA3-B03-KIT (3G, 4G)	Third party