FATBOX G3 EDGE IOT GATEWAY
WIRED BOARD DATA SHEET

fatbox G3
amplified
engineering

EDGE IOT CONNECTIVITY FOR MODBUS & CAN BUS DEVICES

Collect and send Modbus RTU/TCP and CAN Bus device data to a designated cloud service.

▼ Cost Effective Aggregation

Combine data aggregation from Modbus TCP/RTU, Serial RS485/232, CAN Bus, ZigBee and Bluetooth 4 devices for cloud management via WIFI backhaul or Ethernet connection with an existing ADSL/Fibre router.

▼ Network Control

Add open customer software or 3rd party API (e.g. REST API for HTTP, HTTPS) to write local automations or use the integrated web menu to configure network sending and controls.

OPERATING SYSTEM

· Linux on ARM Cortex-A9 (IMX6 Solo/Dual/Quad options)

SERIAL INTERFACE

· RS-232/RS-485 ±15kV ESD Protected
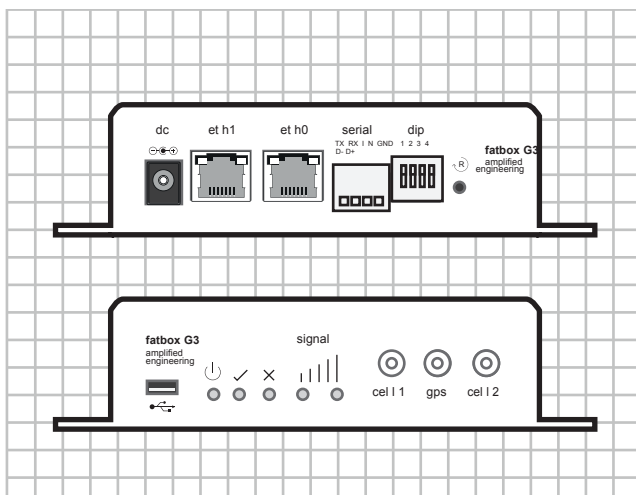· Integrated TCP Serial server and client mode

LAN INTERFACE

· 2 X 10/100BaseT Ethernet port
· 24VDC POE (Passive Input)

CAN BUS INTERFACE (OPTIONAL)

SUPPORTING · ISO15765
· J1939

MANAGEMENT

SECURITY · IP firewall
· IPSEC (PSK) VPN for secure networking

MANAGEMENT · Azure IoT Hub Client for I(IoT) gateway
· AWS IoT via MQTT for I(IoT) gateway
· Ubidots IoT Hub Client for I(IoT) gateway
· Data pre-processing to remove duplicate/ drop repeated values data for sending
· SSH for Remote LINUX Management
· OTA firmware & configurations update
· SNMPv2
· On-board RTC

OPERATING CONDITIONS

POWER · 12~24VDC (0.4/0.2A/0.1A @12VDC Peak/Nominal/Idle)

TEMP · -40°C ~ +75°C Operating Temperature

USER CUSTOM PROGRAMMING

· Run Python (2.7.15 & 3.6.5)/ LUA/ BASH scripting
· User custom firewall scripting support
· Available 2GB of on-board flash data storage

DATA SHEET

VERSION SPECIFICATIONS

INTERFACE	OEM	STANDARD
- LAN	●	●
- SERIAL	●	●
- I/O	●	●
- USB	●	●
DIMENSION		
- L	114mm	149mm
- W	108mm	111mm
- H	19mm	37mm
INTEGRATED MOUNTING		●
WEIGHT	125g	390g

PERIPHERALS (INCLUDED)

· CAT-5 LAN cable (3M)
· Power supply unit (230/110VAC to 24VDC 0.5A)

PERIPHERALS (OPTIONAL)

· DIN rail mounting
· WIFI dongle/ Bluetooth 4.0 (2.4G, Operating 0°C ~ +50°C)
· Weather resistant enclosure

WARRANTY

5 years manufacturer warranty

SUPPORT

Our Service Support means that we make the security and integration of the network our responsibility.
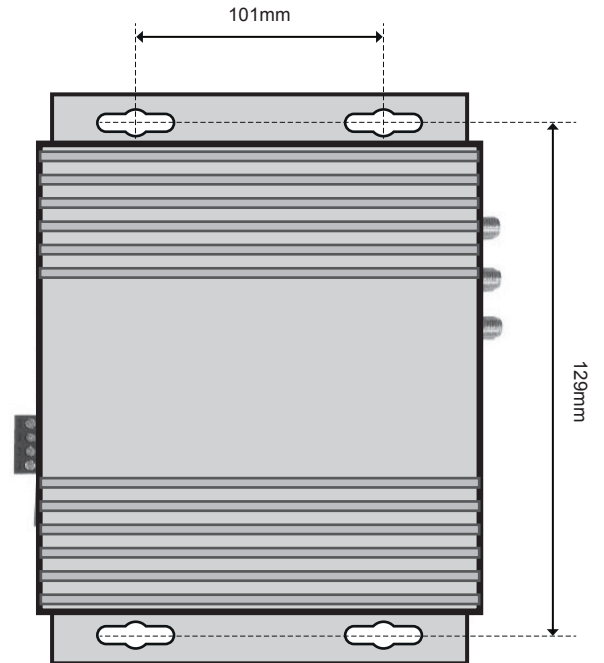
SALES   sales@amplified.com.au

TECHNICAL   support@amplified.com.au
SUPPORT

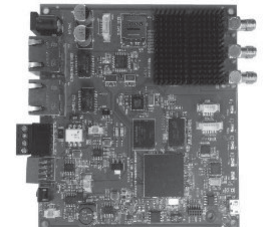The FATBOX G3 is available in the following options.

STANDARD
(with rugged anodised aluminium chassis)

101mm

129mm

WEATHER RESISTANT CASING   OEM Board

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