

Bridge

MONITOR. NOTIFY. CONTROL.

The Bridge is designed to provide reliable and secure communication between local devices and the internet-based MLT Portal. It allows customers to control their devices (inverters, generators, vending machines etc.) from anywhere, receive notifications, and access real-time data.

In addition, the Bridge can display historic and real-time info from connected devices via HDMI to a local display.

- ✓ Remote Monitoring, Notification & Control via MLT Portal
- ✓ Local display of device information via HDMI
- ✓ UART, RS232 and RS485 compatible
- ✓ Modbus RTU protocol interface

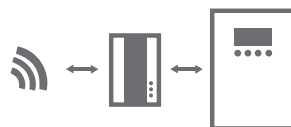


Features

Connects local devices to MLT Portal

The Bridge communicates to the internet based MLT Portal using UART, RS232 or RS485. This allows MLT Inverters products like the Powerstar II and Oasis II, and various third-party devices, to connect to the MLT Portal.

MLT Portal offers remote monitoring, control of local devices and notifications via email and SMS. Internet connectivity is via the Bridge's local Ethernet port, or using a 3G or WiFi dongle via one of four USB ports.



Local display of a single device's information

The Bridge can provide a signal to a local HDMI display / projector, displaying real-time information from certain connected devices, including MLT Inverters' products. This display can be used to monitor the status of the system and display relevant data.

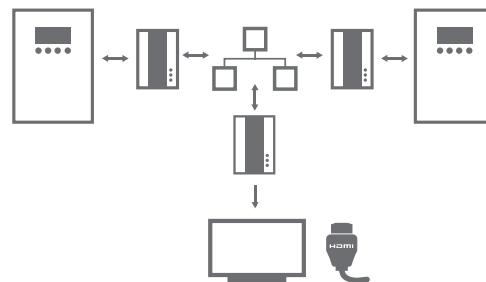


LAN-based display of multiple devices' information

The Bridge can combine information received from multiple Bridge-connected devices installed on the same LAN, and display this on an HDMI-connected screen. The layout of this screen can be customised to the client's requirements.

An example is a customised public display screen, which combines and displays the energy flow from multiple Bridge-connected inverters over a period of time.

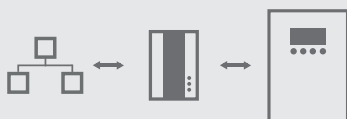
Note that this option is currently offered as an accessory only for MLT Inverters' products.



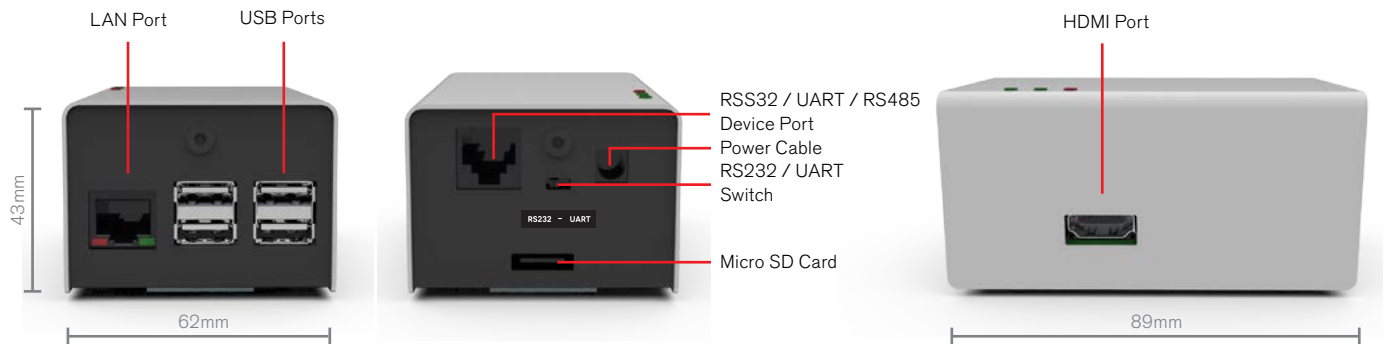
Modbus Interface

The Bridge enables external devices (e.g. home automation systems) to read information from Bridge-connected devices using the Modbus protocol over an IP network.

Note that this functionality is currently offered only for the MLT Powerstar II and Karoo.



Physical Dimensions



















Specifications

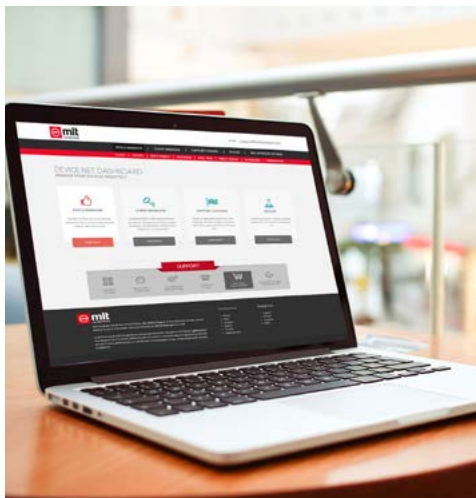
DC Power Supply	5W, 10-75V DC
Data Transmission	RS232 / UART / RS485
Dimensions	89mm (l) x 62mm (w) x 43mm (h)
Mounting Method	Magnetic / Hook
Alternative Power Supplies	USB
Internet Connection Options	Ethernet / 3G / WiFi

Status Indicator LEDs

The status indicator LEDs on the front panel of the Bridge can be interpreted as follow:

Internet Connection Status	  
MLT PORTAL: CONNECTED	
MLT PORTAL: INTERMITTENT	
INTERNET: CONNECTED	
LAN: CONNECTED	
NO CONNECTION	
Bridge Status	
OPERATIONAL MODE	
NO POWER	
Local Connection Status	
RELIABLE COMMUNICATION	
INTERMITTENT COMMUNICATION	
NO COMMUNICATION	
Common Troubleshooting States	
SD CARD ERROR	  

MLT Portal



The Bridge is designed to provide reliable and secure communication between local devices and the internet-based MLT Portal. MLT Portal is a web platform that enables users to access and control their devices from anywhere.

Local Distributor / Installer Contact Details:

Accessories:

- 3G connection
- 3G data topup
- WiFi connection
- RJ45-serial cable
- RS232-RS485 cable
- Multi-inverter display system



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