

# Technical Specifications – BifrostConnect Solution

APPLICABLE TO BIFROSTCONNECT HARDWARE REVISION 1.0

These technical specifications were updated on 16 January 2023 (version 2.2)

The BifrostConnect Solution consisting of the following components:

**Hardware Unit:** Compact remote-control unit which can receive video input and provide keyboard/mouse output through various cable connections, while also providing terminal based access through the serial port.

**Core Services:** Server software including a convenient web interface which enables browser based remote access to a Device connected to the Hardware Unit.



## INPUT/OUTPUT SPECIFICATIONS

<b>HDMI</b>	Video input (480p, 720p, 1080p)
<b>USB-C</b>	Video input, keyboard/mouse output and recharging
<b>Micro-USB</b>	Recharging, keyboard/mouse output & RS232 emulation
<b>Ethernet RJ45 port</b>	Network and POE capabilities
<b>SPDT</b>	Relay output for ex. power cycling of equipment
<b>RS232 port</b>	For use with equipment through a terminal session
<b>Bluetooth</b>	4.0

## PERFORMANCE SPECIFICATIONS

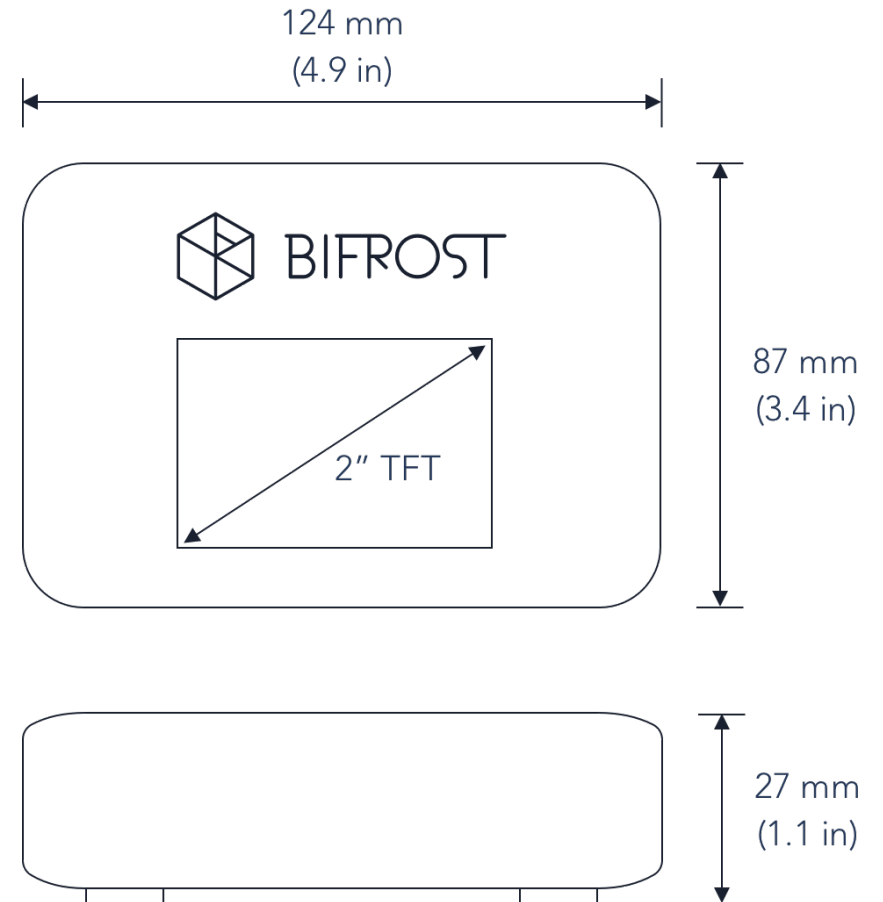
<b>Battery Type</b>	Industrial RRC1120 - 1S1P (UL2054 certified)
<b>Battery Power</b>	3.70V / 2000mAh / 7.4Wh
<b>Power Consumption</b>	9-watt Max
<b>Battery usage</b>	About 2 hours
<b>Connectivity</b>	Built-in LAN, WIFI (2,4ghz) and 3G/4G
<b>Operating Temperature</b>	-41 to 104 °F (5 to 40 °C)
<b>Humidity</b>	Maximum 85% non-condensing relative humidity

## PHYSICAL SPECIFICATIONS

<b>Dimensions</b>	L-124mm W-87mm H-27mm
<b>Weight</b>	250 g
<b>LCD Display</b>	2" TFT
<b>Classification Rating</b>	IP20

## SOFTWARE SPECIFICATIONS

<b>Firmware</b>	Industrial Linux (upgradable via OTA)
<b>Services</b>	BifrostConnect Auth BifrostConnect Bridge BifrostConnect Interface BifrostConnect Manager
<b>Data Channel</b>	Encrypted WebRTC via MQTT



# Technical System Layout

