

## **dongleserver ProMAX: Redundant design of the network connections and power supply**

### **Information:**

The dongleserver ProMAX features two network ports and two power supply connectors.

### **Technical Details:**

#### Power supply

The dongleserver ProMAX is equipped with two independent internal power supplies. Each power supply has its own connector on the device's rear side. In regular operation, both power supplies work simultaneously to reduce load and extend component lifespan. In the event of one power supply failure, the other automatically takes over.

#### Network connections

On the back side of the dongleserver ProMAX, there are two network ports. During normal operation, only one port is active, maintaining a single connection to the network. In case of a failure, the dongleserver ProMAX automatically switches to the other network port (Active/Standby). The dongleserver ProMAX has a single hardware address (MAC address) and IP address. It is not necessary to configure the switch. The dongleserver ProMAX does not have any Load-Balancing features (such as Link Aggregation – LACP, EtherChannel, Port Aggregation – PAgP, or Trunking).

### **Benefits:**

The redundant design with two internal power supplies and network ports ensures high reliability of the dongleserver ProMAX. Connect two power supply cables to different circuits. In the event of a power outage, the other power supply takes over automatically, ensuring uninterrupted operation. The same applies to network ports. Connect the two RJ-45 ports to different switches in your network. In case of an active connection failure, the dongleserver ProMAX switches automatically to the alternative connection.



### **Tip:**

Set up notifications in the event of a power supply or network connection failure. You can have failure information sent to a central management point as an e-mail notification, SNMP traps or syslog NG. If configured accordingly, the dongleserver ProMAX also indicates the failure of the power supply or network connection in the display panel and by means of an acoustic signal. This makes it easy to localize the affected dongleserver ProMAX.

For further details, refer to the dongleserver user manual (available at: <https://www.seh-technology.com/services/downloads/download-dongleserver/dongleserver-promax.html>).

## Is it possible to tell which network connections are connected and enabled?

The solution is provided by the Control Center. A connected network connection is shown in green; the non-connected one is grayed out. Starting with HW version 2.x, the Control Center can also indicate the active connection. This is highlighted in dark green.

Network		 
<b>Link</b>	<b>Status</b>	1000Mbit full duplex
<b>IPv4</b>	<b>Address</b>	10.168.1.157 / 23
	<b>Router</b>	10.168.0.228
<b>IPv6</b>	<b>Addresses</b>	fc00::1:2c0:ebff:fe1b:6bba /64
		fe80::2c0:ebff:fe1b:6bba /64
<b>UTN</b>	<b>Port</b>	9200
	<b>Encrypted port</b>	9443

In the screenshot, you can see from the network icons that both network connections are attached and the one on the left (shown in dark green) is active.