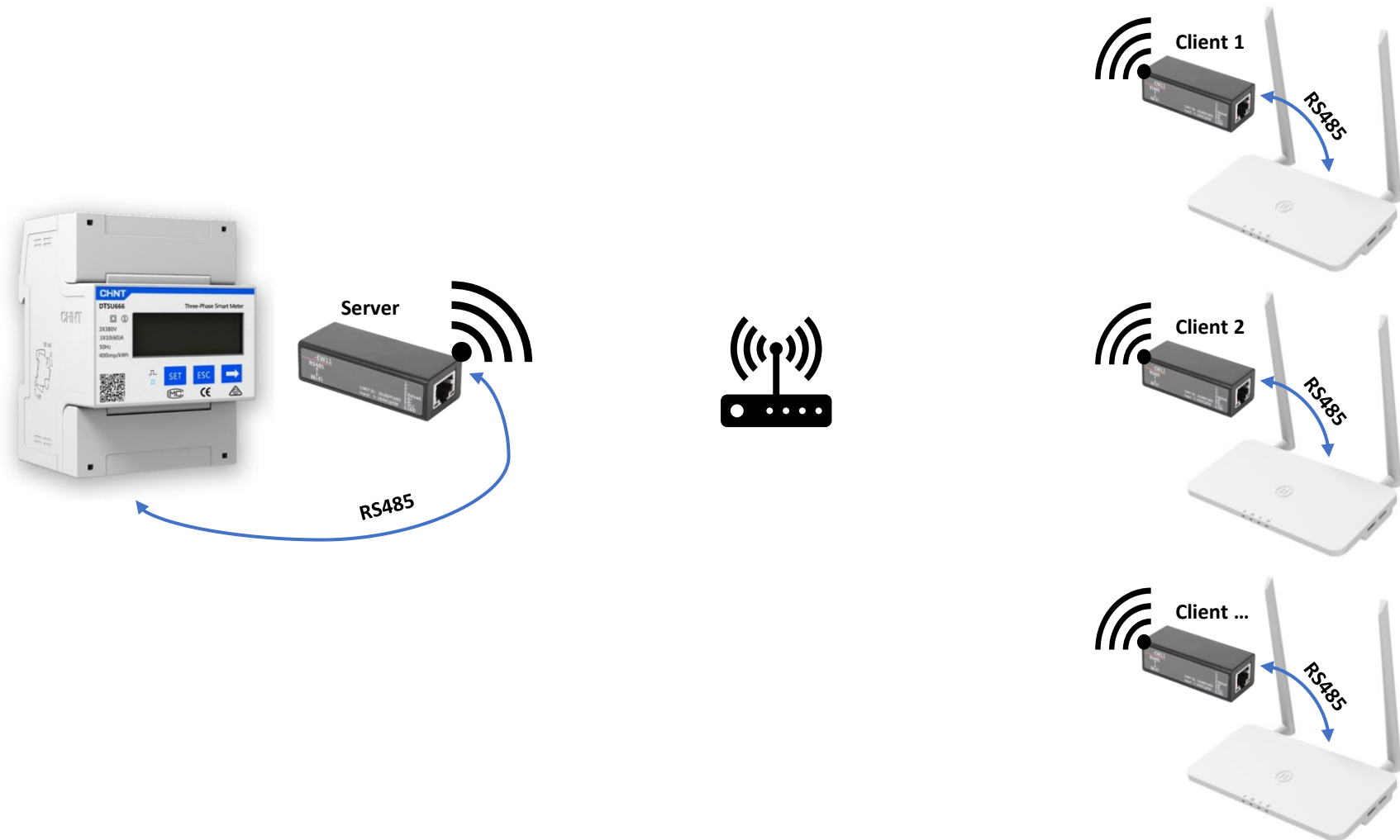


EW11 setup for raw RS485 distribution

In example with Hoymiles DTSU666 (energy meter) and DTU-Pro-S (data gateway)

In this case we only distribute (UDP server) the raw RS485 signal into the network so several clients could receive it.



EW11 server settings – 1/2

Step 1

Connect your EW11 into your WLAN. It is important that it always has the same IP address. You can achieve this by set a fixed IP or, if your router supports it, setup a DHCP reservation in your router for the EW11s MAC.

Step 2

Serial Port Settings

change the device serial port settings

Basic Settings	
Baud Rate	9600
Data Bit	8
Stop Bit	1
Parity	None

Buffer Settings	
Buffer Size	512
Gap Time	50

Flow Control Settings	
Flow Control	Disable

Cli Settings	
Cli	Disable

Protocol Settings	
Protocol	None

EW11 server settings – 2/2

Step 3

Communication Settings

change the device socket settings

netp +Add

Basic Settings

Name	<input type="text" value="netp"/>
Protocol	<input type="text" value="Udp Server"/>

Socket Settings

Local Port	<input type="text" value="9999"/>
Buffer Size	<input type="text" value="512"/>
Keep Alive(s)	<input type="text" value="60"/>
Timeout(s)	<input type="text" value="0"/>

Protocol Settings

More Settings	
Security	<input type="text" value="Disable"/>
Route	<input type="text" value="Uart"/>

Step 4 -> reboot your EW11!

EW11 client settings – 1/2

Step 1

Connect your EW11 into your WLAN. For the client it should not be important that it always has the same IP address. I did it anyway by a DHCP reservation in my router. I would recommend this. But technically it should not be needed for the client.

Step 2

Serial Port Settings

change the device serial port settings

Basic Settings	
Baud Rate	<input type="text" value="9600"/>
Data Bit	<input type="text" value="8"/>
Stop Bit	<input type="text" value="1"/>
Parity	<input type="text" value="None"/>

Buffer Settings	
Buffer Size	<input type="text" value="512"/>
Gap Time	<input type="text" value="50"/>

Flow Control Settings	
Flow Control	<input type="text" value="Disable"/>

Cli Settings	
Cli	<input type="text" value="Disable"/>

Protocol Settings	
Protocol	<input type="text" value="None"/>

EW11 client settings – 2/2

Step 3

Communication Settings

change the device socket settings

netp +Add

Basic Settings

Name	<input type="text" value="netp"/>
Protocol	<input type="text" value="Udp Client"/>

Socket Settings

Server	<input type="text" value="192.168.2.191"/>
Server Port	<input type="text" value="9999"/>
Local Port	<input type="text" value="9999"/>
Buffer Size	<input type="text" value="512"/>
Keep Alive(s)	<input type="text" value="60"/>
Timeout(s)	<input type="text" value="0"/>

Protocol Settings

--	--

More Settings

Security	<input type="text" value="Disable"/>
Route	<input type="text" value="Uart"/>

Step 4 -> reboot your EW11!