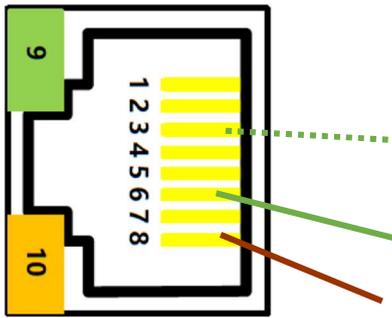


## Le câble RJ45 :

### 1) Port RJ45 « CONSOLE » de la PYLONTECH US2000C :



Prise RJ45 câblée en T568B		
couleur	broche	
	blanc-orange	1
	orange	2
	blanc-vert	3
	bleu	4
	blanc-bleu	5
	vert	6
	blanc-marron	7
	marron	8

#### Console

Pour le fabricant ou un ingénieur professionnel pour le débogage ou la maintenance.

Pin3	232-TX
Pin4*	+5~+12V pour le réveil
Pin5*	GND pour le réveil
Pin6	232-RX
Pin8	232-GND

### 2) Côté EE10 :

Pin	Description	Net Name	Signal Type	Comment
1	Ethernet TX+	TX+	O	Connect to Standard Ethernet RJ45 PIN1
2	Ethernet TX-	TX-	O	Connect to Standard Ethernet RJ45 PIN2
3	Ethernet RX+	RX+	I	Connect to Standard Ethernet RJ45 PIN3
4	Ethernet RX-	RX-	I	Connect to Standard Ethernet RJ45 PIN6
5	UART1_TXD	UART1_TXD	O	RS232 Voltage <b>UART_RXD Console</b>
6	UART1_RXD	UART1_RXD	I	RS232 Voltage <b>UART_TXD Console</b>
7	Power VCC	VCC	Power	5~18VDC
8	Power GND	GND	Power	
9	<b>Green LED</b> Net Status	Net	O	Boot On: Power is OK. 0.3s Off -> 3s On: Ethernet connection is OK. 0.3s Off -> 0.3s On: No Ethernet connection.
10	<b>Amber LED</b> Data Transfer	Active	O	Off: No data transfer 0.3s Off -> 0.9s On: UART TX Output 0.3s Off -> 0.3s On: UART RX Receive On: UART bidirection.

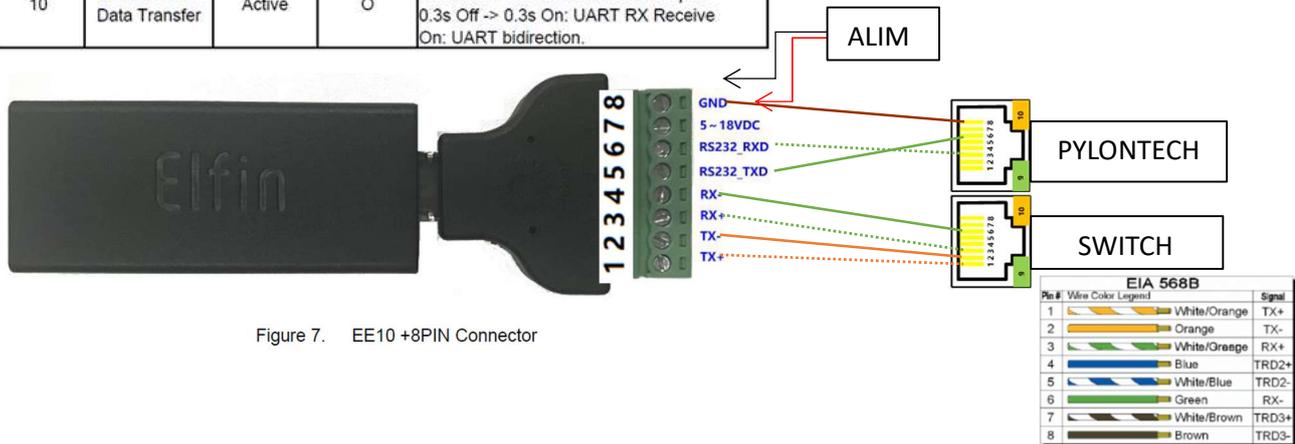


Figure 7. EE10 +8PIN Connector

## La configuration du EE10 :

### Serial Port Settings

change the device serial port settings

Basic Settings	
Baud Rate	115200
Data Bit	8
Stop Bit	1
Parity	None

Buffer Settings	
Buffer Size	1400
Gap Time	50

Flow Control Settings	
Flow Control	Disable

Cli Settings	
Cli	Serial String
Serial String	+++
Waiting Time	300

Protocol Settings	
Protocol	None

Adresse IP par défaut du EE10 = 192.168.1.xxx (via DHCP du LAN Maison)

### Communication Settings

change the device socket settings

TCP-Server		+Add
Basic Settings		
Name	TCP-Server	
Protocol	Tcp Server	
Socket Settings		
Local Port	7774	
Buffer Size	1400	
Keep Alive(s)	60	
Timeout(s)	0	
Protocol Settings		
Max Accept	3	
More Settings		
Security	Disable	
Route	Uart	

[Submit](#) [Delete](#) [Reset](#)

# La configuration du flow de Node Red :

Pylontech US2000C

🔍 Débogage

msg.payload: string[1400]

```

> "pwr"
@
-+Power Volt Curr Tempr Tlow Thigh Vlow Vhigh Base.St Volt.St Curr.St Temp.St Coulomb Time
B.V.St B.T.St MosTempr M.T.St
-1 51927 0 25300 24200 24500 3446 3466 Idle Normal Normal Normal 100% 2024-11-04 02:16:46
Normal Normal 23700 Normal
-2 51949 205 25400 24100 Normal Normal 24000 Normal
-3 - - - - - - Absent - - - - -
-4 - - - - - - Absent - - - - -
-5 - - - - - - Absent - - - - -
-6 - - - - - - Absent - - - - -
    
```

03/11/2024 18:38:42 noest: debug 1

msg.payload: string[1102]

```

> "
-10 - - - - - - Absent - - - - -
-11 - - - - - - Absent - - - - -
-12 - - - - - - Absent - - - - -
-13 - - - - - - Absent - - - - -
-14 - - - - - - Absent - - - - -
-15 - - - - - - Absent - - - - -
-16 - - - - - - Absent - - - - -
    
```

03/11/2024 18:39:07 noest: function "soh"

function: (warn)

```

"my warninginfo 2(\n\r"
    
```

03/11/2024 18:39:07 noest: function "soh"

function: (warn)

```

> "INIT Console ~20014682C0048520FCC3
-
    
```

03/11/2024 18:39:07 noest: function "soh"

function: (warn)

```

> "Comande = soh"
    
```

03/11/2024 18:39:07 noest: debug 1

msg.payload: string[801]

```

> "soh"
@
-+Power 1
-Battery Voltage SOHCount SOHStatus
-0 3448 0 Normal
-1 3468 0 Normal
    
```