

## Nek standards

### Serial (in the box, board to rj45)

D9	rj 45
7	orange-white
4	orange
3	green-white
5	blue
5	blue-white
2	green
6	brown-white
8	brown

### Nullmodem (rj45 to d9)

rj 45	D9	rsonline
orange-white	8	blue
orange	6	orange
green-white	2	black
blue	5	red
blue-white	5	green
green	3	yellow
brown-white	4	brown
brown	7	grey

### Serial cable for npm4000 (connected to rj45-d9 adapter)

Rj45(nmp4000)	Rj45 (null-modem)
1	4
2	3
3	6
-	-
-	-
-	-
-	-
-	-

Dip switches on npm4000 1=off 2=on 3=off 4=off

Some soldering is needed here

<http://www.lammertbies.nl/comm/cable/yost-serial-rj45.html>

#### Ethernet and Power over Ethernet 12-19 volt

Straight	pin	PoE	Cross (red label)
orange-white	1		green-white
orange	2		green
green-white	3		orange-white
blue	4	+ 12-48V	blue
blue-white	5	+12-48V	blue-white
green	6		orange
brown-white	7	0	brown-white
brown	8	0	brown