

## NetUP Dual DVB-S2 CI

The NetUP Dual DVB-S2-CI is a professional DVB-S/DVB-S2 PCI-e card designed for high-density appliances such as DVB-IP gateways, home theaters, satellite Internet systems, etc.



### Features

- two DVB-S/DVB-S2 inputs – simultaneous reception of two DVB-S/DVB-S2 transponders;
- two CI slots – independent descrambling of two transponders;
- support of any professional CA modules (e.g., PowerCAM Pro, Aston Pro Solutions, etc.);
- PCE-e x1;
- DiSEqC 2.x;
- drivers for Linux OS.

### Supported Modulation Types

- Legacy DVB-S QPSK
- DVB-S2 QPSK and 8PSK
- optional: 16APSK and 32APSK

### Symbol rates

- QPSK DVB-S – 1 to 47 Msymb/s
- 8PSK DVB-S2 – 1 to 31.5 Msymb/s (in single mode up to 63 Msymb/s)

### FEC

- QPSK DVB-S – 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- 8PSK DVB-S2 – 3/5, 2/3, 3/4, 5/6, 8/9, 9/10

### Output signals

Output voltage: 13/18V

Output current: not to exceed for an extended period a total of current of 1 A from both port (IOUT\_A + IOUT\_B < 1 A) in order to avoid triggering the over-temperature protection.

### Driver installation

The newest driver for Linux can be installed by the following commands:

```
hg clone http://linuxtv.org/hg/v4l-dvb/  
cd v4l-dvb  
make && make install
```

## Mechanical data

Operating temperature -10, +70 C  
Weight: 150 g.  
Dimension: 180x130x20 mm

## CNR

DVB-S(QPSK), BER < 1e-10

	30Msps, CNR dB
1/2	2.8
2/3	4.6
3/4	5.5
5/6	6.7
7/8	7.2

DVB-S2(8PSK), BER < 1e-10

	30Msps, CNR dB
3/5	6.5
2/3	7.6
3/4	8.9
5/6	10.5
8/9	11.1
9/10	11.4

16APSK, PER =10e-7

	30Msps, CNR dB
2/3	9.8
3/4	11
4/5	11.8
5/6	12.4