

NN6-4142

DVB SPI (LVDS-TTL) Interface



Features

- MPEG2 interface (DVB, ATSC)
- SPI parallel to parallel interface
- Converts TTL (LVTTTL) to LVDS
- Converts LVDS to TTL (LVTTTL)
- TS packet size changing
- Power redundancy
- Fault relay alarm
- 1x DVB-SPI I/O (LVTTTL)
- 1x DVB-SPI I/O (LVDS)

Product highlights

- Cost effective converter
- Compact : 103mm width
- Robust
- 1U height
- 19" rack mountable
- Professional quality
- No compromise design



Facing an interworking issue ?

Looking for Interface Conversion solutions in:

- Broadcasting chain migration
- Interoperability issue in R&D
- Systems integration
 - Connection of test & monitoring equipments... ?

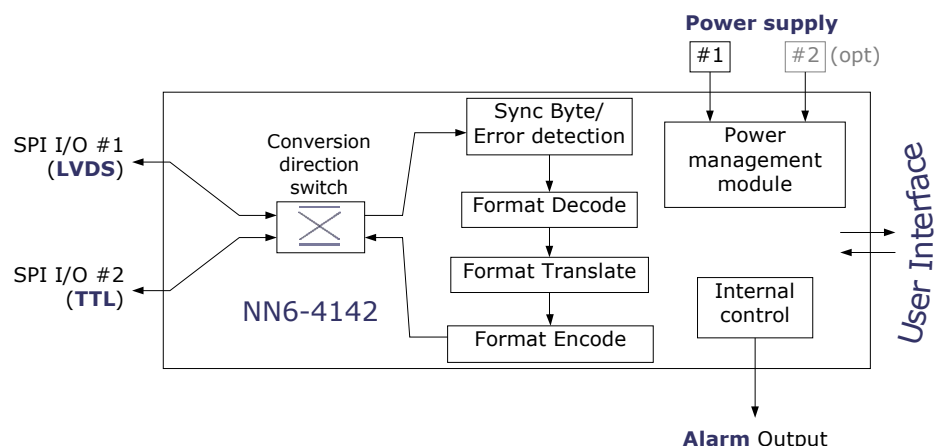
ENENSYS™ Technologies can help you solve your problem!

With its Baseband Converters and Network Adapters product lines for DVB and ATSC, ENENSYS Technologies masters B2B interoperability solutions for broadcasting professionals.

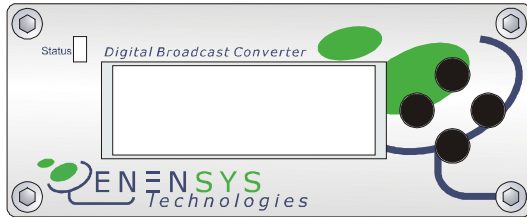
NN6-4142 interface converts MPEG2 Transport Stream from one DVB Synchronous parallel interface type to another. Supported electrical formats are LVDS (Low Voltage Differential Signal) and LVTTTL (or TTL: Transistor Transistor Level). Conversion is done from LVDS to TTL, or from TTL to LVDS.

Delivered as stand alone interface, **NN6-4142 SPI converter** is fed by a high MTBF external power supply. It can be used on a lab working desk, or simply travel with you for demonstration purpose. It can also be rack-mounted for easy integration in a Digital Broadcast chain.

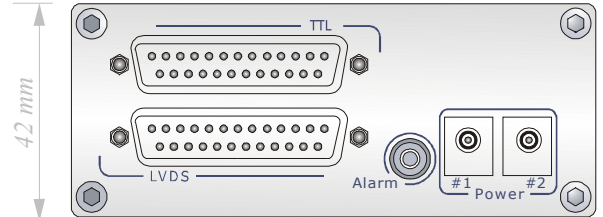
➡ **Interface converter comes standard with fault relay, packet size changing and power redundancy capabilities.**



►► Designed to meet your professional requirements !



ORDERING CODE	
NN6-4142EU	EU plug
NN6-4142UK	UK plug
NN6-4142US	US plug



SPI to SPI conversion :

one synchronous parallel input (LVDS or TTL) can be converted to the other interface type (TTL or LVDS).

Packet size changing :

Transport Stream packet size of **188, 204 or 208 bytes per packet** automatically detected at input, and output framing can be set to 188, 204 or 208 bytes per packet where bandwidth allows it.

Alarm generation

alarm can be triggered on power fault, framing errors, signal quality. Compatible with major alarm & redundancy management systems.

Power redundancy :

by addition of a second external power supply.

Rack-mount kit :

easily fits into crowded 19" equipment racks. 4 conversion units can be hosted by a 1U sub-rack.

Professional quality

NO COMPROMISE DESIGN using the best parts available wherever possible, including gold plated connectors, lead-free board plates, robust aluminium chassis, highly reliable power supply.

Safety and EMC figures:

fully meets EMC and Safety requirements produced by CE and FCC certification bodies.

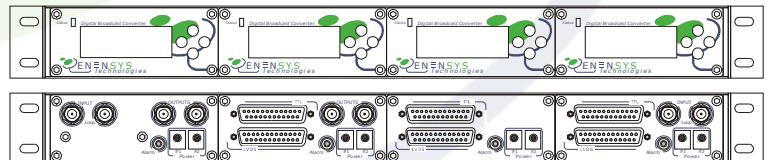
INPUT	
Parallel data input	MPEG2 Transport Stream (ISO-IEC 61883)
Data format #1	DVB-SPI (LVDS): Low Voltage Differential Signal As per EN50083-9, DVB A010
	Or DVB-SPI (LVTTTL): Transistor-Transistor Logic As per EN50083-9, DVB A010
Connector	2x D-Sub 25 (one dedicated to each parallel input)
Max bit rate	108 Mbps (operation up to 216 Mbps possible)
Packet format	188, 204, 208 bytes per packet - autodetection

OUTPUTS	
Parallel outputs	MPEG2 Transport Stream (ISO-IEC 61883)
Data format #1	DVB-SPI (TTL): Transistor-Transistor Logic As per EN50083-9, DVB A010
	Or DVB-SPI (LVDS): Low Voltage Differential Signal As per EN50083-9, DVB A010
Connectors	1x D-Sub 25 (LVDS) 1xD-Sub 25 (TTL)
Max bit rate	108 Mbps (operation up to 216 Mbps possible)
Packet format	188, 204, 208 bytes per packet - user defined

ALARM / STATUS	
ALARM	1x alarm output (Jack 3.5mm: dry relay) Can be connected to Dry relay / SNMP module Compatible with alarm manager systems
Status led	3 levels state indicator

MECHANICAL	
Dimensions (whd)	103x42x165 (in millimeters) 4.13x1.65x6.30 (in inches)
Weight	0.5 kg (1.1 lb)

GENERAL	
Power supply	External supply unit (<i>included: specify plug type</i>)
Connectors	1+1 DC inputs (load balancing ready)
Power redundancy	Achieved by the use of a second adapter (<i>optional</i>)
User Interface	LCD and buttons on front panel
Rack mount option	19" mounting kit hosting 4 converters (1RU height)



About ENENSYS Technologies:

ENENSYS Technologies proposes a large range of Digital TV interfaces surely meet your interoperability needs in the field of MPEG2 signals. With its Baseband Converters line, ENENSYS Technologies provides solutions to interface MPEG2 DVB or ATSC baseband signals over DVB-ASI, M2S, DVB-SPI (LVDS, TTL), RS-422, SSI, SMPTE-310, DHEI...

ENENSYS Technologies

Le Germanium
80 avenue des Buttes de Coesmes
35700 Rennes
FRANCE

Office (+33) 1 70 72 5170
Fax (+33) 2 99 36 03 84
contact@enensys.com

ACCESSORIES	ORDERING CODE
External Power Supply Unit (EU plug)	NN6-PSEU
External Power Supply Unit (UK plug)	NN6-PSUK
External Power Supply Unit (US plug)	NN6-PSUS
19" Rack mount kit	NN6-RCKM
Parallel 25 pins cable (1.5 meters)	NN6-PC25

www.enensys.com