



# accessories

## CABLES FOR NETWORK MAINTENANCE AND MANAGEMENT

> THE CABLES HAVE A LENGTH OF 1 METER. LESS COMMON CABLES AND CABLES OF DIFFERENT LENGTH CAN BE FOUND IN THE SALES CODES QUICK REFERENCE SECTION.

## ETHERNET TWISTED PAIR CABLING

Straight RJ45 Ethernet twisted pair cabling. Also used for connecting the high speed (HS) bus on the 1035 Orchid  
> **PIN LAYOUT:** 1-1, 2-2, 3-3, 4-4, 5-5, 6-6, 7-7, 8-8  
> **SALES CODE:** 173786 CBL TMA RJ45-RJ45 STRAIGHT

Crossed RJ45 Ethernet twisted pair cabling  
> **PIN LAYOUT:** 1-3, 2-6, 3-1, 6-2  
> **SALES CODE:** 173789 CBL TMA RJ45-RJ45 CROSSED

## CONNECTING TMA MAINTENANCE SOFTWARE THROUGH SERIAL CONNECTION

Straight cable for the connection of the serial port of a PC (DB9) to all Telindus products with DB9 NMS connector  
> **PIN LAYOUT:** 2-2, 3-3, 5-5  
> **SALES CODE:** 173774 CBL TMA DB9F-DB9M

## CONNECTING NMS CHANNEL IN BACK-TO-BACK EQUIPMENT

NMS cross-cable for the connection of two DB9 NMS connectors in a back-to-back configuration  
> **PIN LAYOUT:** 2-3, 3-2, 5-5  
> **SALES CODE:** 173795 CBL TMA DB9M-DB9M CROSSED

## AC TO 48V POWER CHASSIS

> THE 2901 POWER SYSTEM IS DESIGNED TO OPERATE IN TELECOM ENVIRONMENTS AND OFFERS UP TO 3 TIMES 270W IN FREE CONVECTION AT 48V.



The modular rectifiers (up to 3) work in load sharing mode and are controlled through a supervisor unit designed for telecom applications. The system provides a connection for battery backup including deep discharge protection and a controlled recharging current. The unit comes as a chassis with all connections on the front and includes the supervisor unit.

### AC INPUT

- > 180-264Vac, 47-63 Hz (115Vac on request)
- > Maximum inrush current: 3x 10A according to ETSI 300132-1

### DC OUTPUT

- > Output: 40-59Vdc, adjustable
- > Continuous power output: 3x270W
- > Integrated over-voltage and over-current protection
- > Connector: screw

### BATTERY BACKUP

- > Deep discharge protection
- > Configurable recharging current
- > Connector: screw

### MECHANICAL DATA (HXWXD)

- > 3U (133mm) x 19" (483mm) x 246mm
- > Rack-mountable in 19" or ETSI rack.

The number of modular rectifiers is chosen depending on the specific needs of the configuration. The unit is ideally suited for powering (multiple) units from the Telindus 2300 or 2400 series, or for the powering of the remote power add-on chassis.

### ALARM-OUTPUTS

- > Number of alarm outputs: 3 (configurable)
- > Type of alarm output: voltage free normally closed contacts, max 60V/1A
- > Connector: 9-pin Sub-D connector
- > Supported alarms
  - > Mains absent
  - > Rectifier failure
  - > More than one rectifier failure
  - > Output voltage low (2 configurable levels)
  - > Temperature exceeded
  - > Digital input activated (2 input contacts)

### SALES CODES

- > **183019** 2901 Power Supply Chassis for up to 3 PSU's
- > **183030** 270W PSU for 2901

## AC TO 48V POWER ADAPTER

> THIS COMPACT POWER ADAPTER IS DESIGNED FOR OFFERING AC POWER CAPABILITIES TO A TELINDUS 2300 OR 2400 UNIT (EXCEPT FOR UNITS INCLUDING REMOTE POWER FEED CAPABILITIES), IN CASE ONLY A DC POWER INPUT IS PRESENT ON THE EQUIPMENT.

The adapter offers a royal 70W power capacity and features a built-in short-circuit protection.



### AC INPUT

- > 90-264Vac, 47-63 Hz
- > Connector: IEC, European power cord included

### DC OUTPUT

- > 48Vdc  $\pm$  2%, 70W
- > Integrated short-circuit protection
- > Connector: stripped wires

### SALES CODES

- > **185881** AC to 48Vdc power adapter

## AC TO 7.5/9VDC POWER ADAPTERS

> SOME TELINDUS UNITS REQUIRE EXTERNAL POWER ADAPTERS. FOR THIS PURPOSE EITHER 7.5 VDC OR 9 VDC POWERING IS USED. THIS SECTION CONTAINS POWER ADAPTERS THAT HAVE 115 OR 230VAC AS THEIR NOMINAL INPUT VOLTAGE.

### 230VAC TO 7.5VDC POWER ADAPTER EUROPE

- > **WALL-PLUG:** European
- > **NOMINAL OUTPUT VOLTAGE:** 7.5Vdc, not stabilised
- > **MAXIMUM LOAD:** 750 mA
- > **SALES CODE:** 171302

### 230VAC TO 7.5VDC POWER ADAPTER UK

- > **WALL-PLUG:** UK
- > **NOMINAL OUTPUT VOLTAGE:** 7.5Vdc, not stabilised
- > **MAXIMUM LOAD:** 750 mA
- > **SALES CODE:** 173720

### 115VAC TO 7.5VDC POWER ADAPTER US

- > **WALL-PLUG:** US
- > **NOMINAL OUTPUT VOLTAGE:** 7.5Vdc, not stabilised
- > **MAXIMUM LOAD:** 750 mA
- > **SALES CODE:** 190364

### 230VAC TO 9VDC POWER ADAPTER EUROPE

- > **WALL-PLUG:** European
- > **NOMINAL OUTPUT VOLTAGE:** 9Vdc, not stabilised
- > **MAXIMUM LOAD:** 1 A
- > **SALES CODE:** 175590

### 230VAC TO 9VDC POWER ADAPTER UK

- > **WALL-PLUG:** UK
- > **NOMINAL OUTPUT VOLTAGE:** 9Vdc, not stabilised
- > **MAXIMUM LOAD:** 1 A
- > **SALES CODE:** 175592

### 115VAC TO 9VDC POWER ADAPTER US

- > **WALL-PLUG:** US
- > **NOMINAL OUTPUT VOLTAGE:** 9Vdc, not stabilised
- > **MAXIMUM LOAD:** 1 A
- > **SALES CODE:** 193548



## 24/48VDC TO 7.5/9VDC POWER ADAPTERS

> SOME TELINDUS UNITS REQUIRE EXTERNAL POWER ADAPTERS. FOR THIS PURPOSE EITHER 7.5 VDC OR 9 VDC POWERING IS USED.



This power adapter is suited for 24Vdc or 48Vdc power sources. The same adapter can be used for powering equipment with nominal input voltages of 7.5Vdc or 9Vdc.

### AC INPUT

- > Voltage range: 18..72Vdc
- > Connector: screw

### DC OUTPUT

- > Nominal output voltage: 9Vdc, stabilised
- > Maximum load: 2A

### SALES CODES

- > 191706 PWR-PLUG 24/48VDC->9VDC

## PATCH PANELS

> PATCH PANELS FOR INDIVIDUAL RJ45 CONNECTORS



### PATCH PANEL 24X RJ45 TO LSA PLUS CL5 AMP

- > SALES CODE: 133017

### PATCH PANEL 96X RJ45 TO LSA PLUS CL5 AMP

- > SALES CODE: 133019

### PATCH PANEL 48X RJ45 TO LSA PLUS CL5 AMP

- > SALES CODE: 133018

## RACK-MOUNT KITS

> THESE RACK-MOUNT KITS ARE USED FOR MOUNTING TELINDUS ACCESS EQUIPMENT INTO A 19" RACK.

Rack-mount kit for the Crocus Inverse Mux  
> SALES CODE: 150322

Rack-mount kit for CN4 2 slots  
> SALES CODE: 179092

Rack-mount kit for ID-Mux or PRI-Mux  
> SALES CODE: 180043

Rack-mount kit for 2300 and 2400 series  
> SALES CODE: 183021



## BALUNS

> BALUNS ALLOW THE IMPEDANCE CONVERSION FOR G.703 INTERFACES FROM TWISTED PAIR CABLING (120 OHM) TO COAX (75 OHM).

Twisted pair is terminated on a RJ45 connector, coax is terminated on BNC or 1.6/5.6 connectors.

Balun RJ45 to BNC  
> SALES CODE: 185876

Balun RJ45 to 1.6/5.6  
> SALES CODE: 185877

Baluns can be rack-mounted using a 1U rack-mount adapter, holding up to 16 baluns (not included).

Rack-mount adapter for code 185876 (RJ45 to BNC)  
> SALES CODE: 185879

Rack-mount adapter for code 185877 (RJ45 to 1.6/5.6)  
> SALES CODE: 185878



MORE INFO:  
TELINDUS  
Geldenaaksebaan 335  
B-3001 Heverlee  
Belgium

TEL +32 16 38 20 11  
FAX +32 16 40 01 02  
E-MAIL [productinfo@telindus.com](mailto:productinfo@telindus.com)  
[www.telindusproducts.com](http://www.telindusproducts.com)

**TELINDUS**  
broadband solutions