

DL28

Communications processor

Highlights

- Data communication connections between measuring and control devices in a heating substation
- Integration of substations into remote monitoring and control systems
- Data logging
- 32-Bit CPU @ 454MHz
- Linux operating system
- 256MB DDR2 SDRAM
- microSD card, push-push connector
- Ethernet interface
- USB Host, Device, On-The-Go ports
- RS-232 and RS-485 DCE serial interfaces
- M-Bus Master and Slave ports
- Galvanically isolated ports
- DC power supply (18-36V)
- 35mm DIN mounting rail



Description

DL28 is a communications processor that handles data communication connections between measuring and control devices in a heating substation and their integration into remote monitoring and control systems (SCADA) by using diverse transfer routes. DL28 can be connected to SCADA programs in several ways: via local area networks (LAN), wireless computer networks (WLAN), CATV modems, GSM/GPRS/3G routers, as well as via other standard and wireless modems. An established communication link allows for real-time remote monitoring and read-outs of process variables at the heating substation, as well as of alarm conditions.

The DL28 has a plastic enclosure for mounting with a 35mm DIN mounting rail. The front panel features power supply connectors, connectors for USB peripherals, memory cards, Ethernet and serial communication, as well as LED indicators. The communications processor supports microSD memory cards via a push-push connector.

Front panel

L1, L2, L3, L4
LED indicators

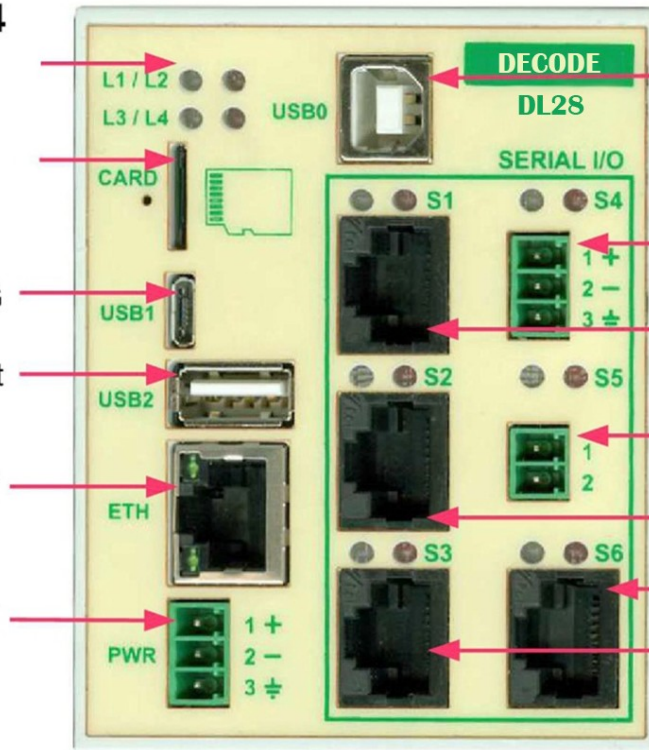
CARD
Memory card

USB1 USB OTG

USB2 USB Host

ETH
Ethernet 10/100T

PWR
18-36VDC



USB0 USB Device

S4 M-Bus Master

S1 RS-232

S5 M-Bus Slave

S2 RS-232/485

S6 RS-232/485

S3 RS-232/485

Technical specification

PROCESSOR BOARD	
Central processor	32-Bit MCU Core ARM926EJ, 454MHz
Operating system	Linux 2.6.35
Memory	256MB DDR2 SDRAM
Disc	4GB Flash
USB	1 x USB2.0 Hi-Speed Host, 1 x OTG
Ethernet	RJ45, 10/100TBase
Memory card	microSD, push-push connector
Real Time Clock (RTC)	Implemented (powered by a CR1220 battery)
COMMUNICATION BOARD	
USB	1 x USB2.0 device, galvanically isolated, FT232R
Serial ports	Galvanically isolated with send and receive LED indicators S1 – RS-232C (TD, RD, DTR, RTS, CTS, RI, DCD signals) S2 – RS-232C (TD, RD, RTS, CTS signals) or RS-485 (A+ & B-) S3 – RS-232C (TD, RD, RTS, CTS signals) or RS-485 (A+ & B-)
M-Bus BOARD	
Serial ports	Galvanically isolated with send and receive LED indicators S4 – M-Bus Master, up to 3 Slave devices S5 – M-Bus Slave S6 – RS-232C (TD, RD, RTS, CTS signals) or RS-485 (A+ & B-)
COMMON CHARACTERISTICS	
Power supply	8~30V DC
Power consumption	5W
Enclosure protection	IP40
Temperature range	from -20°C to +55°C and from 0 to 95% RH (without condensation)
Dimensions	70 x 85 (91) x 73mm
Mounting	DIN rail 35 mm

DECODE d.o.o.

Bulevar Nikole Tesle 30A

11080 Belgrade, Serbia

Tel: +381 11 311 0027

E-mail: office@decode.rs

www.decode.rs

Legal notice

Reproduction, transfer, distribution or storage of part or all of the contents in this document in any form without the prior written permission is prohibited. All rights reserved. All trademarks mentioned herein belong to their respective owners.

Copyright © 2018 Decode

Disclaimer

Decode has used reasonable care in preparing the information included in this document, but does not warrant that such information is error free.

Decode, its associates, representatives, employees, and others acting on its behalf disclaim any and all liability for errors, inaccuracies, or incompleteness contained in any datasheet or in any other disclosure relating to any product.

In the interest of continuous product development, the Decode reserves the right to make improvements to this manual and the products described in it at any time and without prior notification or obligation.

The use of the product is at sole discretion of the user. Decode cannot be held responsible for any damages arising due to use of this product and makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product.

Note: The specifications in this document are valid as of the listed versions of software and/or hardware. Revised versions of this document, as well as software and driver updates are available in the download area of the Decode web site.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Controllers](#) category:

Click to view products by [DECODE](#) manufacturer:

Other Similar products are found below :

[CS1WCN223](#) [CS1WCN713](#) [CS1WKS001E](#) [61F-11NH](#) [61FGPN8DAC120](#) [61F-GP-NT AC110](#) [61F-GPN-V50-AC110](#) [70177-1011](#) [F03-03](#)
[HAS B](#) [F03-03 HAS C](#) [F03-31](#) [81513201](#) [81513535](#) [81550401](#) [FT1A-C12RA-W](#) [88981106](#) [H2CAC24A](#) [R88A-CAGA005S](#) [R88A-](#)
[CRGB003CR-E](#) [R88ARR080100S](#) [R88A-TK01K](#) [DCN1-1](#) [DTB4896VRE](#) [DTB9696CVE](#) [DTB9696LVE](#) [MR-50LF+](#) [E53-AZ01](#) [E53E8C](#)
[E5CWLQ1TCAC100240](#) [B300LKL21](#) [NE1ASCPU02EIPVER11](#) [NE1SCPU01](#) [NE1SDRM21U](#) [NSCXDC1V3](#) [NSH5-232CW-3M](#)
[NT20SST122BV1](#) [NV3Q-SW41](#) [NV4W-ATT01](#) [NV-CN001](#) [OAS-160-N](#) [K31S6](#) [K33-L1B](#) [K3TX-AD31A](#) [L595020](#) [SRS2-1](#) [G32X-V2K](#)
[26546803](#) [26546805](#) [26546831](#) [CJ1W-OD204](#)