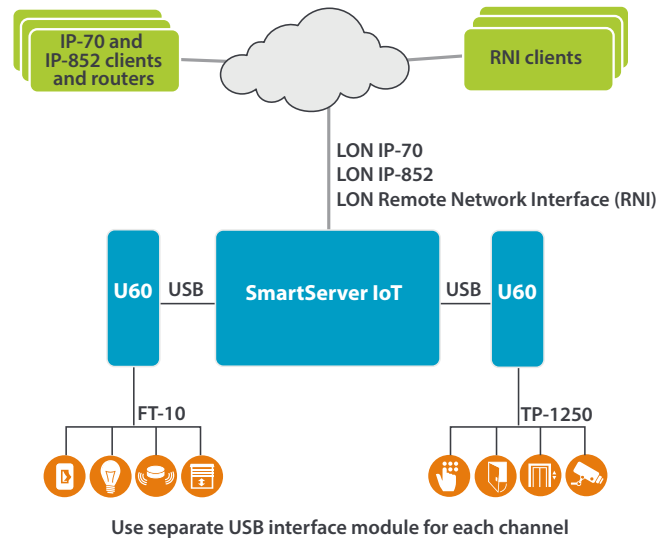


U60 LON[®] FT & TP-1250 USB DIN Modules



U60 expansion modules connect LON devices via USB

Product Description

The U60 network interface expansion modules enable a controller or computer to communicate with LON networks via USB. The compact devices are housed in DIN 43880 2TE compliant enclosures.

The U60 TP-1250 model is an interface to LON/IP TP-1250 and LON TP-1250. The U60 FT model is an interface to LON/IP-FT and LON-FT. Both are compatible with OpenLDV 5 and with hosts implementing the LON/IP stack which provides source code for LON/IP and LON compatible protocol stacks.

The interfaces facilitate communication to everyday devices like pumps, motors, valves, sensors, actuators and lights for process control, building automation, energy management, transportation systems control and telecommunications equipment management.

Tx and Rx LEDs provide an indication of LON packet transmission and reception. An on-board Status or Service LED (see specifications) provides a visual indication of device status; status is also communicated to the host via the USB interface enabling the host controller to monitor Status (TP-1250 model) or provide a network Service indicator (FT model).

Features and Benefits

- USB interfaces for LON FT and TP-1250 networks for any edge server, gateway, controller, or device, including SmartServer™ IoT
- Compatible with IzoT™ Net Server, OpenLNS® Server, LNS® Server and OpenLDV applications
- Works with IzoT Net and LNS compatible applications such as the IzoT Commissioning Tool and LonMaker Integration Tool
- Compatible with SmartServer IoT
- Compact DIN 43880 2TE form factor
- Powered by 5V USB input
- Source code available as download for a Linux-compatible driver

PRODUCT SPECIFICATIONS

Hardware and electrical specifications

Processor (TP-1250 model):	Dialog Neuron 6050
Processor (FT model):	Dialog FT 6050 Smart Transceiver
LON connector:	1 two-way push clip
Micro-B USB receptacle for connection to the host:	Certified USB 2.0 compatible, compatible with USB 1.1 and high-speed USB systems, peripherals and cables
USB cable:	Includes cable with Micro-B USB to Type A USB
Indicators:	LON Tx/Rx LEDs, Status LED (TP-1250 model), Service LED (FT model)
Connect button:	TP-1250 model
Input voltage:	5VDC USB power
Input current:	110mA maximum USB power
Temperature range:	-40°C to +70°C

Humidity:	10-90% RH @ 50°C
Mounting:	DIN 43880 2TE

Software Platform

Interface (TP-1250 model):	LON/IP TP-1250 and LON TP-1250 (TP/XF-1250) with a Layer 2 or Layer 5 interface
Interface (FT model):	LON/IP-FT and LON-FT (TP/FT-10) with a Layer 2 or Layer 5 interface

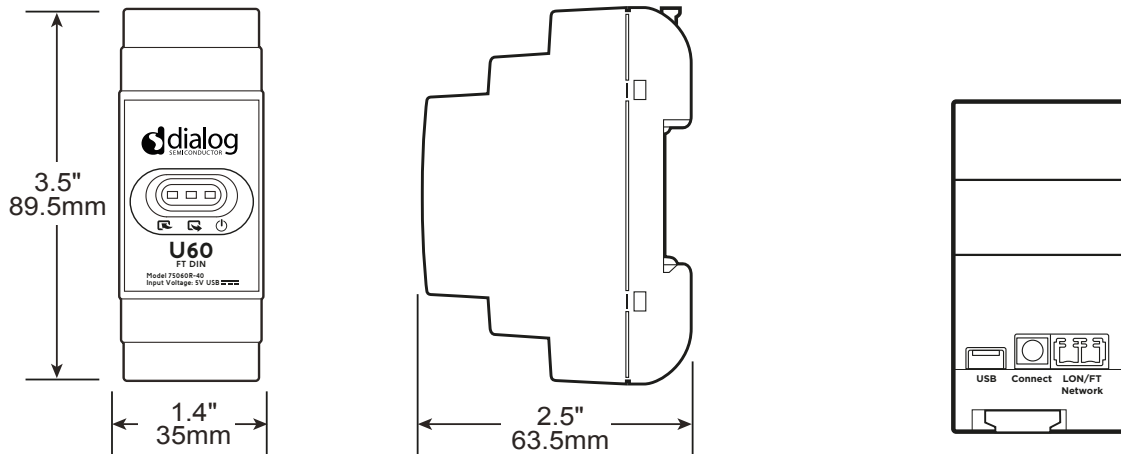
Drivers (free downloads from website):

- Linux source code for a U60 network driver
- OpenLDV 5, or newer, driver for Windows (FT model only)

Safety, compliance and warranty

Agency approvals:	MET 60950, TUV EN 60950, CE, C-Tick
EMC:	FCC Part 15 Class A, EN55022 Class A, EN55024, CISPR 24 Class A
Warranty:	1 year limited warranty

DIMENSIONS, MOUNTING AND CONNECTIONS



The U60 modules are designed for DIN-rail mounting; dimensions for both modules are the same

Bottom view (when mounted): USB port, connect button, network connector

Model #	Product Name	Product Description
75060R-30	U60 TP-1250 DIN Network Interface Module	USB interface to LON/IP TP-1250 and LON TP-1250 1.25Mbps twisted pair networks
75060R-40	U60 FT DIN Network Interface Module	USB interface to LON/IP FT and LON FT free topology twisted pair networks

IMPORTANT NOTICE AND DISCLAIMER

RENESAS ELECTRONICS CORPORATION AND ITS SUBSIDIARIES (“RENESAS”) PROVIDES TECHNICAL SPECIFICATIONS AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES “AS IS” AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for developers skilled in the art designing with Renesas products. You are solely responsible for (1) selecting the appropriate products for your application, (2) designing, validating, and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. Renesas grants you permission to use these resources only for development of an application that uses Renesas products. Other reproduction or use of these resources is strictly prohibited. No license is granted to any other Renesas intellectual property or to any third party intellectual property. Renesas disclaims responsibility for, and you will fully indemnify Renesas and its representatives against, any claims, damages, costs, losses, or liabilities arising out of your use of these resources. Renesas' products are provided only subject to Renesas' Terms and Conditions of Sale or other applicable terms agreed to in writing. No use of any Renesas resources expands or otherwise alters any applicable warranties or warranty disclaimers for these products.

(Rev.1.0 Mar 2020)

Corporate Headquarters

TOYOSU FORESIA, 3-2-24 Toyosu,
Koto-ku, Tokyo 135-0061, Japan
www.renesas.com

Contact Information

For further information on a product, technology, the most up-to-date version of a document, or your nearest sales office, please visit:
www.renesas.com/contact/

Trademarks

Renesas and the Renesas logo are trademarks of Renesas Electronics Corporation. All trademarks and registered trademarks are the property of their respective owners.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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

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

Other Similar products are found below :

[PCINC1000C-8](#) [NC1000C-8](#) [301-2010-27](#) [301-1010-44](#) [301-1010-74](#) [XPP100300S-04R](#) [XPP1003000-04R](#) [MGM111E256V2](#)
[VSMD001V072](#) [NS5-SQ11B-V2](#) [2000000849](#) [BB-WSW2C00015-1](#) [WISE-1021WR-1100E](#) [WISE-3310-D200L1E](#) [CDPP8RG](#) [CIO-MB](#)
[SC14CVMDECT](#) [SF02T](#) [AW02-G300](#) [AW08-G300](#) [AW24-G300](#) [DC-ME4-01T-C](#) [DC-ME-Y401-C](#) [X2E-Z1C-W1-W](#) [PuIM-1G4T-I211-BP-](#)
[R10](#) [PuIM-1G4T-I211-R10](#) [PUZZLE-IN003B-C0/8G-R10](#) [X710DA2](#) [XXV710DA2OCP2](#) [MO11AA003-01R](#) [WP20010NMK-01](#)
[XP1001000-05R](#) [XP1001000M-05R](#) [XP1002000-05R](#) [XP100200S-05R](#) [XPDNC2000-01](#) [XPP1002000-02R](#) [XPP100200S-02R](#) [112113-0007](#)
[1121130011](#) [SST-DN4-PCU](#) [NC2400C](#) [NS5-SQ10-V2](#) [PCINC2400C](#) [2200515](#) [113990838](#) [SD-300-US](#) [MGM111A256V2](#)
[MGM111A256V2R](#) [ZGM130S037HGN2R](#) [ZGM130S037HGN2](#)