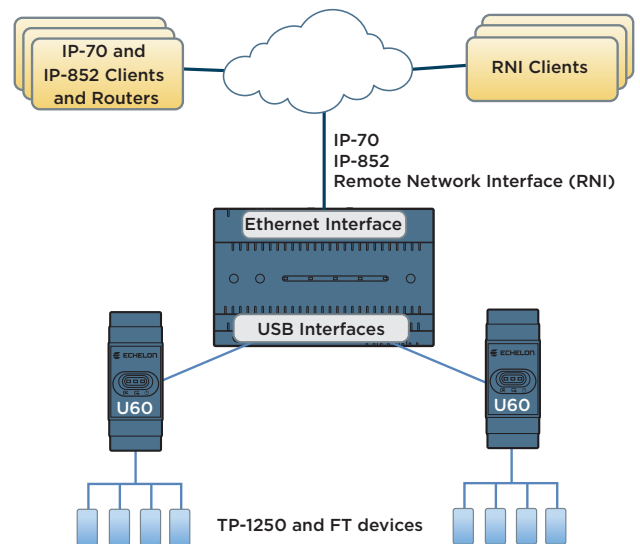


## U60 USB to LON® FT and TP-1250 Expansion Modules



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 Echelon's SmartServer IoT and i.LON 700
- 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 and i.LON 700
- Compact DIN 43880 2TE form factor
- Powered by 5V USB input
- Source code available as download for a Linux-compatible driver

**Project:**

**Date:**

**Detail:**

# Product Specifications

## Hardware and electrical specifications

|  |  |
|--|--|
| Processor (TP-1250 model):                         | Echelon Neuron 6050  |
| Processor (FT model):                              | Echelon 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             |

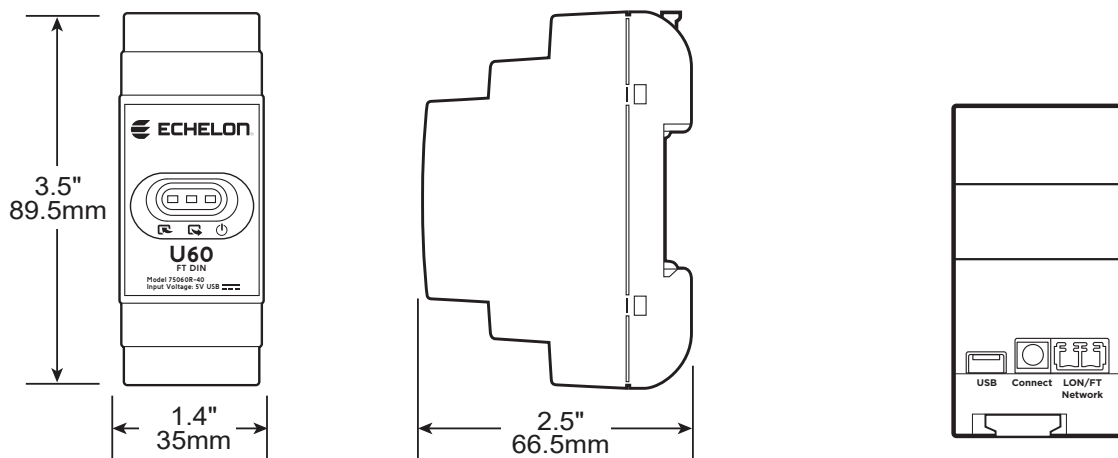
Drivers (free downloads from [echelon.com/downloads](http://echelon.com/downloads)):

- 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 | USB interface to LON/IP TP-1250 and LON TP-1250 1.25Mbps twisted pair networks |
| 75060R-40 | U60 FT DIN Network Interface      | USB interface to LonTalk/IP-FT and LON-FT free topology twisted pair networks  |