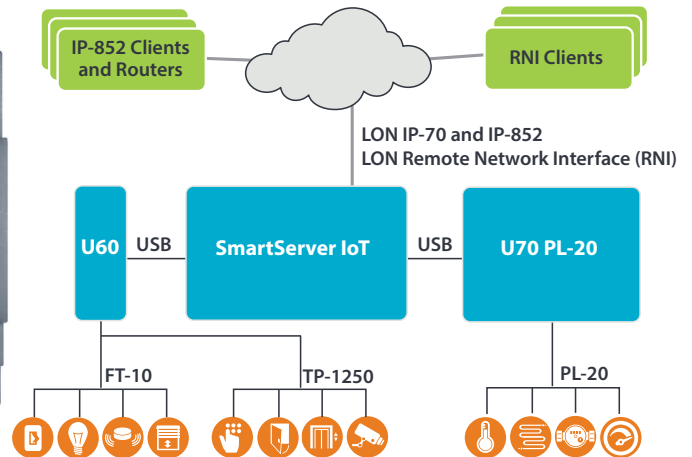


# SmartServer™ IoT Router Bundle



Use separate USB interface module for each channel

SmartServer IoT connects to devices via USB interface modules

## Product Description

The SmartServer IoT Router Bundle includes one SmartServer IoT router and one, two or four U60 LON® FT USB DIN network interface expansion module(s). There is an option to add a U60 TP-1250 USB DIN module to any order. The router bundles provide advanced LON-IP and LON FT routing, and optional TP-1250 routing, and are current-generation replacements for iLON routers.

The SmartServer IoT is an ISO/IEC 14908-1, ISO/IEC 14908-4 and ANSI/CTA 709.7-compliant, LON/IP, LON and IP-852 multi-channel router and remote network interface (RNI) for process control, building automation, energy management, transportation systems control, and telecommunications equipment management. It is specifically designed to operate in industrial environments.

The SmartServer IoT provides secure, reliable IP access from Ethernet workstations and servers to everyday devices like pumps, motors, valves, sensors, actuators and lights on LON FT, TP-1250 or PL channels. It includes two Ethernet ports for WAN (encrypted HTTPS IP connection) and LAN (building automation network) connections. It also enables installation of tens of thousands of LON FT and TP-1250 devices using an Ethernet LON IP-852 backbone.

## Features and Benefits

- Multi-channel LON router and remote network interface (RNI) for LON/IP-852 and up to 4 external LON FT, TP-1250 and PL network interfaces
  - ◆ TP/FT-10 free topology channel for wiring flexibility (via U60 FT)
  - ◆ TP/XF-1250 channel for high performance and speed (via U60 TP-1250)
  - ◆ PL-20 power line channel (July, via U70)
  - ◆ Internal LON routers for each attached network interface
- RNI for IP connection to an LNS®, OpenLNS® or IzoT™ Net Server
- Import feature for existing LNS- and IzoT Net Server-based designs
- Compatible with IzoT CT installation tools and LonScanner diagnostic tools
- Web interface for setup and easy IP configuration
- Built-in OPC UA server
- Built-in data logging; 32GB SD card included

# PRODUCT SPECIFICATIONS

## SmartServer IoT hardware and electrical specifications\*

Processor:	800 MHz ARM Cortex A9
Operating system:	Linux
Security:	TLS with AES 128-bit encryption
Clock:	Internal, real time
Built-in memory:	2 GB DDR3L SDRAM 8 GB eMMC flash memory
Memory expansion:	32GB Micro SD card (included)
Input voltage:	10.5-30VDC, 10W or isolated 12-30VAC, 12VA, 50/60Hz
Temperature range:	-40°C to +65°C
Surge protection:	EN 61000-4-5:2006, +/- 4KV
Mounting:	DIN 43880 8TE

\* Refer to U60 LON FT & TP-1250 USB DIN Modules datasheet for USB module specifications.

## Wired interfaces

Gigabit Ethernet:	2 RJ-45 jacks for WAN and LAN, including LON IP-70 and IP-852
Type A USB 2.0:	4 ports for local IoT network and I/O interfaces
Micro-B USB:	1 console port

## External interface support

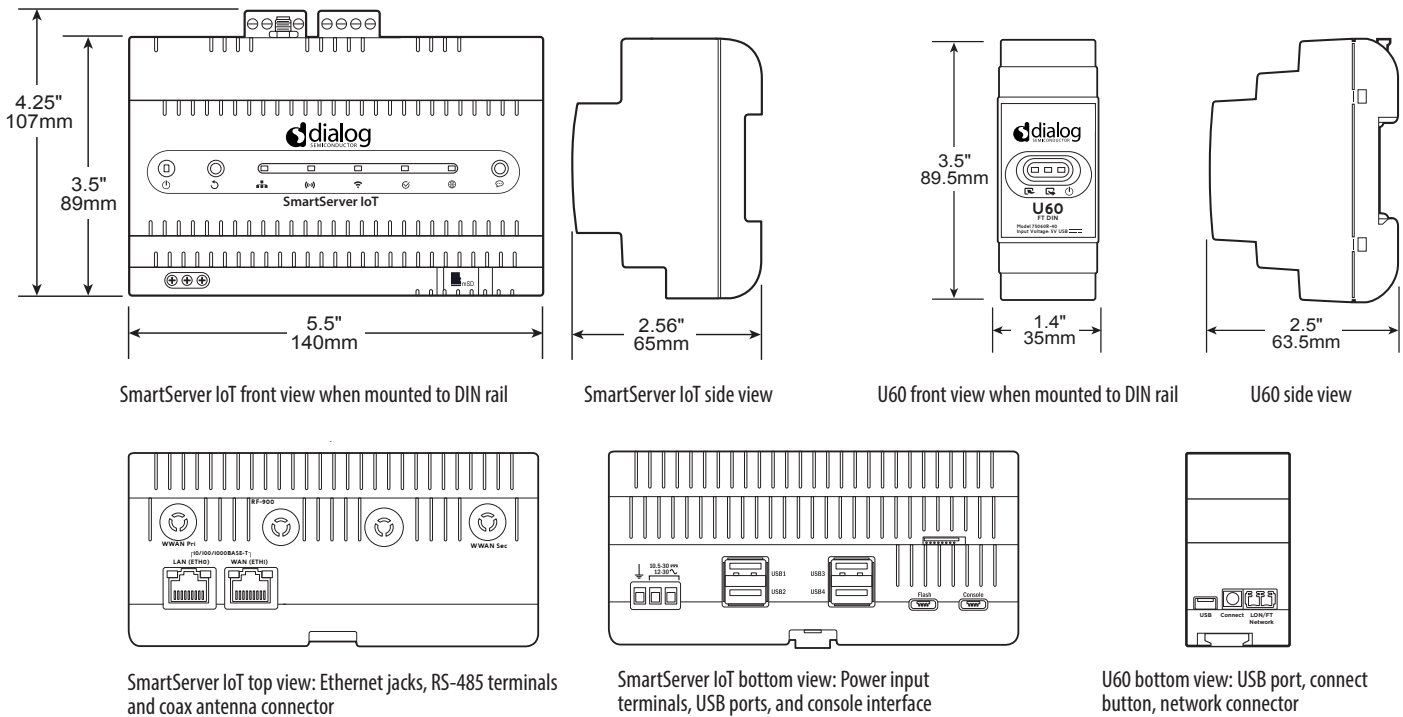
Supports up to 4 external interfaces:

- 75060R-30 U60 TP-1250 DIN USB Network Interface Module\*
- 75060R-40 U60 FT DIN USB Network Interface Module\*

## Safety, compliance and warranty

Agency approvals:	FCC, CE, IC, and CCC
EMC:	FCC Part 15 Class B, EN55022 Class B, EN55024, CISPR 24 Class B, CISPR 32 Class B, VCCI Class B
Warranty:	1 year limited warranty

## DIMENSIONS, MOUNTING AND CONNECTIONS



Model #	Product Name	Product Description
72310R-10	SmartServer IoT 1 Channel FT and IP Router Bundle	1 SmartServer IoT router (72201R-240), 1 U60 FT DIN (75060R-40)
72310R-20	SmartServer IoT 2 Channel FT and IP Router Bundle	1 SmartServer IoT router (72201R-240), 1 U60 FT DIN (75060R-40)
72310R-40	SmartServer IoT 4 Channel FT and IP Router Bundle	1 SmartServer IoT router (72201R-240), 1 U60 FT DIN (75060R-40)
75060R-30	U60 TP-1250 DIN Network Interface Module	1 U60 TP-1250 DIN module for use with SmartServer IoT router

Copyright ©2020 Dialog Semiconductor. All rights reserved. Dialog, the Dialog logo, Adesto, the Adesto logo, Echelon, IzoT, LON and the Echelon logo are registered and/or unregistered trademarks of Dialog Semiconductor. All other product or service names are the property of their respective owners. Content subject to change without notice.