75F® Data Pump

An advanced gateway that enables 75F to connect with any other system

– Universal protocol converter

– powerful quad-core 600Mhz ARM A53 CPU with 1G RAM

– onboard 16 GB eMMC memory, can be extended using a microSD card

– (2) RS485 interface

– (2)Ethernet ports (1 Gbit and 100 Mbit)

75F Data Pump

The 75F Data Pump is a programmable Linux gateway featuring a pair of Ethernet ports and two RS485 ports. It is a universal gateway for HVAC applications. The gateway can be installed in applications as an end device of cloud services representing the basis for Smart City, IoT and edge computing projects utilizing a large volume of aggregated data.

FEATURES

- Extendable memory storage using microSD
- Durable aluminum chassis (IP20)
- Ethernet interface act as a switch (bridge)
- Working temperature 0 C to 55 C
- Available in OEM variant
- Real-Time Clock backup (up to 7 days)
- Installation to a DIN rail (35 mm), optionally on an electrical cabinet mounting plate
- LED indication of RS485, user LEDs

DIMENSIONS

Dimensions	35 x 94 x 70 mm
Weight	140 g

POWER SUPPLY

Rated Voltage	9-30 V
Power Consumption	Typ. 3W, Max 12 W
Reverse Polarity Protection	Yes

INSTALLATION

Installation	To a 35 mm DIN rail in a distribution box (holder included) On an electrical cabinet mounting plate (purchased separately)

Connection	Pluggable screw terminals
Wire Gauge	Power supply terminal — max 2.5 mm^2 RS485 terminal — max 1.5 mm^2

COMMUNICATION

Ethernet	1 x 1 Gbit Ethernet 1 x 100 Mbit Ethernet
Serial/bus channels	2 x RS485
RS485 baud rate	Up to 1 Mbaud
RS485 galvanic isolation	Yes
RS485 pull-up/ pull-down resistance	Yes, 560
RS485 terminating resistor	Attachable, 120
USB	1 x USB 3.0 (for service)
Ext. memory storage	1 x Micro SD up to 128 BG capacity