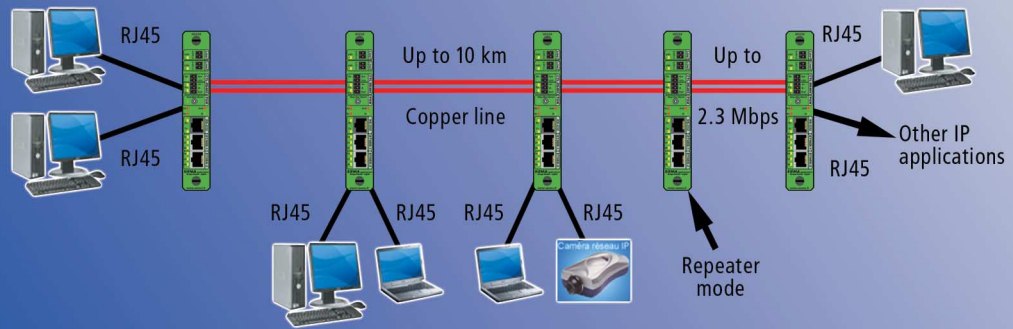
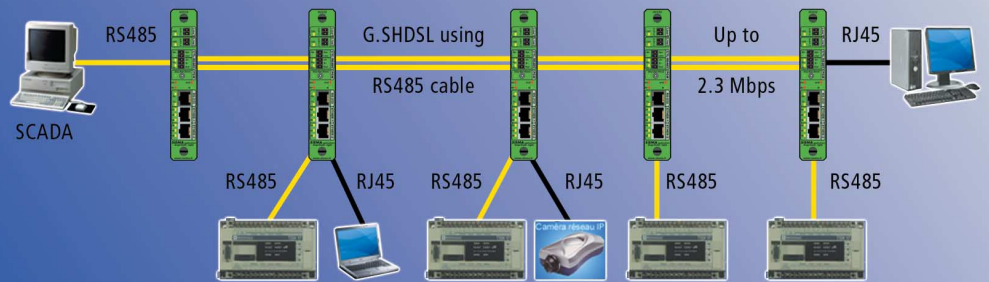




Switch mode



RS485 extension mode



UCC32 Switch

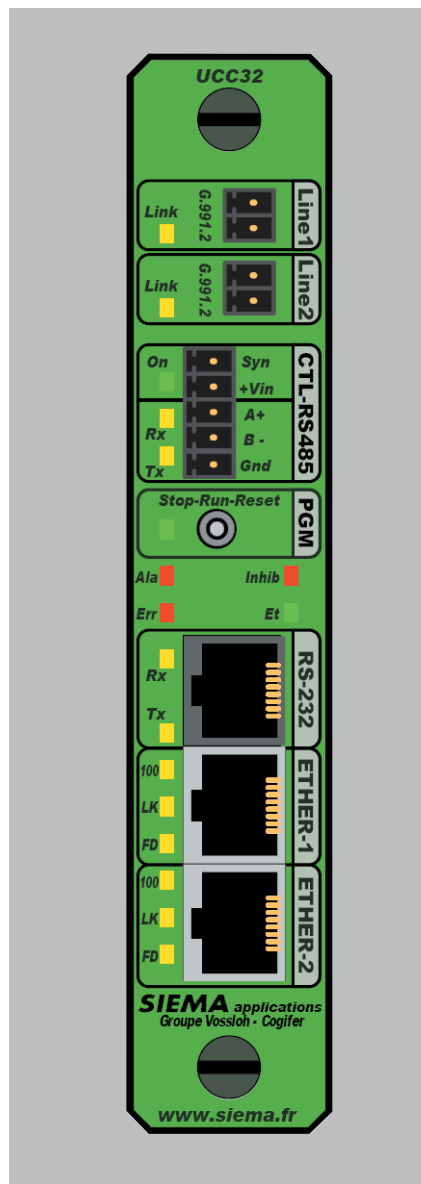
G.SHDSL-Ethernet-RS485 switch

Features

- Point to point mode: allows linking 2 remote networks via a twisted copper line
- Switch mode: allows linking several kind of transmission network, and to transfer data on long distance
- Repeater mode: allows transmitting data from one UCC32 switch to another one, so abolishing distance constraint. It's also possible to connect supplementary peripherals on an UCC32 switch in repeater mode
- RS485 extension mode: allows extending an RS485 network in large band network, while keeping existing transmission support

Technical characteristics

- Power supply: 24 V
- G.SHDSL link:
 - Ports quantity: 2
 - Support: 1 twisted copper line per port
 - Bite rate max: 2,3 Mbps
 - Distance max: 10 km (6,2 miles)
- RS485 link:
 - Ports quantity: 1
 - Support : 2 wires + 1 synchronization wire
 - Bite rate max: 115 kbps
 - Distance max: 1 000 m (3 280 feet)
- RS232 link
 - Ports quantity: 1
 - Support : RJ45 connector
- Ethernet link
 - Ports quantity: 2
 - Support : RJ45 connector 10/100 base T



Power supply: 24 V

Copper lines:

2 wires: linked by G.SHDSL modem
From 1 to 2 Mbps from 2 to 10 km

RS485:

2 wires + 1 synchronization wire
Up to 115 kbps

RS232: for configuration

2 RJ45 10/100 auto crossing ports:

Point to point mode:
only one line is used
Switch/Repeater mode:
Both lines are used



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IN BRIEF

- UCC32 is a multi support gateway which allows to create a private IP network in railway and industrial environment
- UCC32 uses existing communication supports: twisted copper lines, RS485...
- UCC32 creates a large band network on long distance