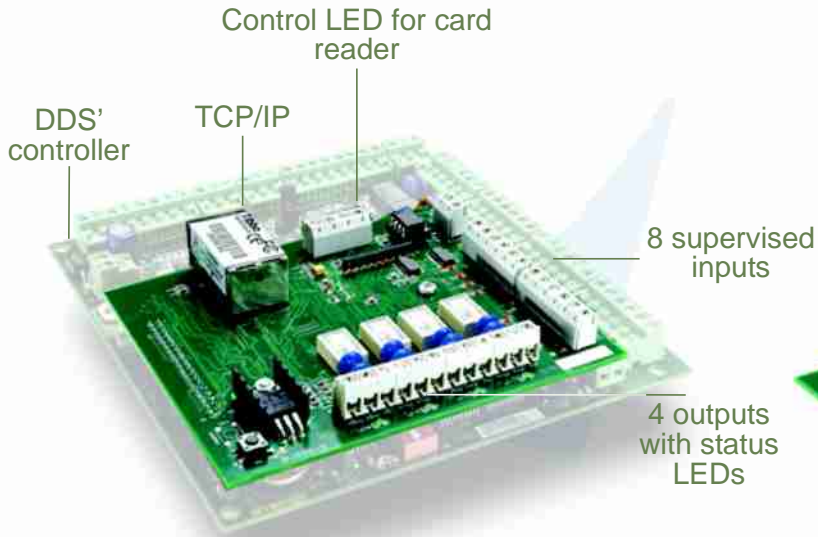
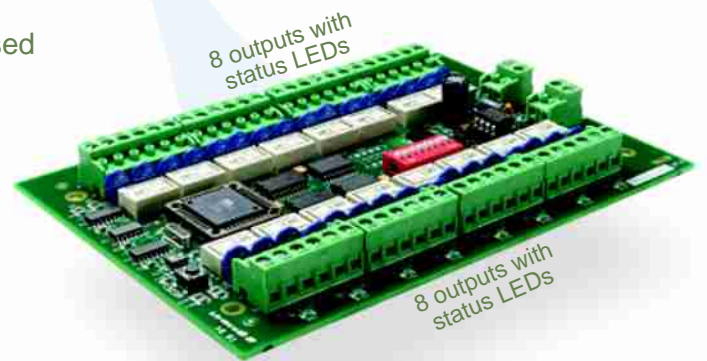


# Extension Boards & Satellite, additional outputs, I/O and TCP/IP



Extension EXT-TCP84



Satellite

## Overview

The extension and satellite boards provide a cost efficient solution when MEGA, TPL, JET or DS216 controllers require TCP/IP interface, additional I/O or outputs, as shown in the hereunder table.

Such expansion makes the controllers very versatile and effective for applications involving lift control, locker control, CCTV matrix, etc.

INPUTS / OUTPUTS CAPABILITIES												
	Controller only		Controller + 3 Satellites		Controller + RLY12		Controller + RLY12 + 3 Satellites		Controller +EXT-84		Controller +EXT-84 + 3 Satellites	
SMART	4 I	2 O	-	-	-	-	-	-	-	-	-	-
OPEN	4 I	3 O	-	-	-	-	-	-	-	-	-	-
TPL	8 I	4 O	8 I	52 O	8 I	16 O	8 I	64 O	16 I	8 O	16 I	56 O
TPL-DR	12 I	4 O	-	52 O	-	16 O	-	64 O	-	-	-	-
JET	8+3 I	4 O	8+3 I	52 O	8+3 I	16 O	8+3 I	64 O	16+3 I	8 O	16+3 I	56 O
MEGA	8 I	4 O	8 I	52 O	8 I	16 O	8 I	64 O	16 I	8 O	16 I	56 O
DS216	16 I	4 O	16 I	52 O	16 I	16 O	16 I	64 O	24 I	8 O	24 I	56 O

## Extension Boards

Four extension boards are available providing additional I/O and / or TCP/IP connection.

- EXT-TCP: TCP/IP interface (for TPL, JET & DS216)
- EXT-84: 8 supervised inputs and 4 outputs

- EXT-TCP84: TCP/IP interface + 8 supervised inputs and 4 outputs (for TPL, JET & DS216)
- EXT-RLY12: 12 outputs NO, for use in lift management applications for example

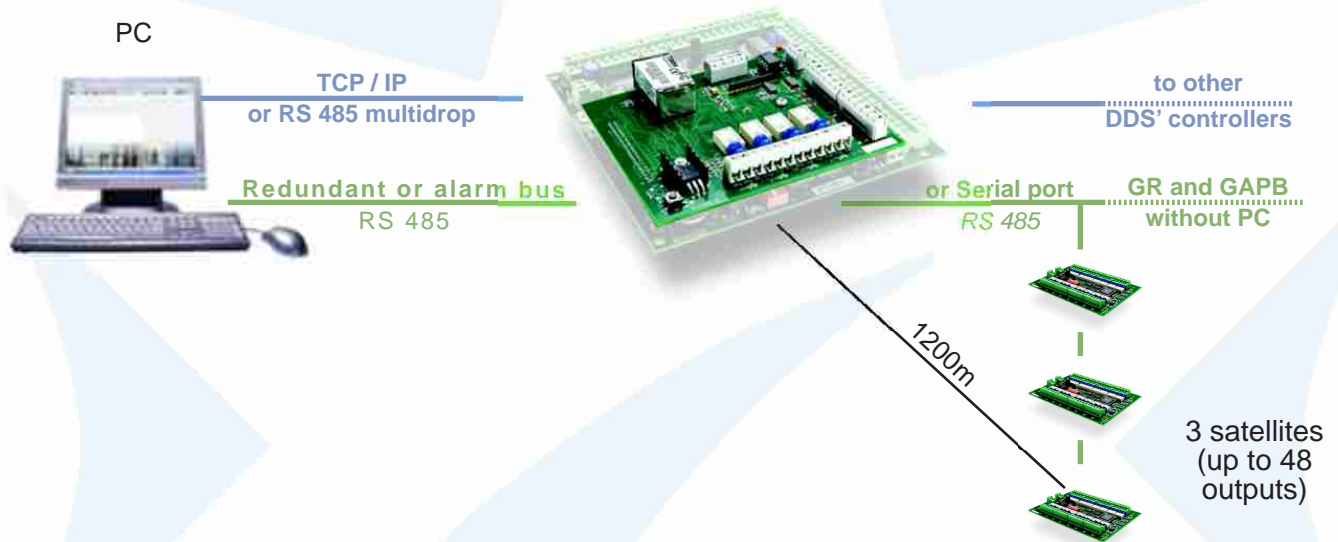
The extension board is simply plugged into the corresponding connector of the controller.

## Satellite

The satellite card STLO has 16 additional outputs. It is possible to connect up to three satellites to each MEGA, TPL, JET or DS216, providing in this way 48 extra outputs

to each controller. The satellites are connected via the second RS485 communication bus through a single twisted pair cable on a distance of up to 1,200 meters.

## Architecture



## Technical Specifications

- ▶ Board dimensions:
  - EXT – TCP: 120 x 100 mm
  - EXT – TCP84: 120 x 100 mm
  - EXT – 84: 120 x 100 mm
  - EXT – RLY12: 125 x 85 mm
  - STLO: 160 x 110 mm
- ▶ Operating temperature: -10° to +55° C
- ▶ Storage temperature: -10° to +65° C
- ▶ Operational humidity: 10 to 95%
- ▶ Board weight
  - EXT – TCP: 75 g
  - EXT – TCP84: 110 g
  - EXT – 84: 90 g
  - EXT – RLY12: 90 g
  - STLO: 170 g
- ▶ Working voltage: 12 VDC +/-20% 350mA
- ▶ Input max voltage: +/30V
- ▶ Approvals: 