



## CC100

The **IVS**<sup>®</sup> CC100 cluster controller is the wired cluster controller of the **IVS**<sup>®</sup> system.

### Standard and chip key

The CC100 can be combined with both the standard wired keypads and with the wired keypads with chip key.

### Communication

The CC100 provides communication between the PC and keypads. The CC100 sends messages to the keypads and these in turn send the data that was entered by the participants back to the CC100. The translated data is then sent to the program.

### 1,100 keypads

IO modules can also be connected to the CC100, with a maximum of 10 modules. To each module, an additional 100 keypads can be connected. The maximum number of keypads that can be used by a CC100 therefore adds up to 1,100!

The cluster operates as a master in the keypad network and controls each keypad. The cluster initiates the voting action and retrieves the voting data from the keypads. The cluster itself is controlled by the PC via a USB interface. In addition, the CC100 operates as a master for a separate module (the IO module), which can control additional keypads.

Total number of strings per CC100 is 4  
Total number of modules per CC100 is  $2 \times 5 = 10$   
Total number of strings per module is 4  
Maximum number of keypads is:  
 $4 \text{ strings} \times 25 \text{ keypads} = 100$   
Total number of keypads per CC100 is:  
 $100 + 10 \times 100 = 1,100$

### Technical specifications

#### CC100 PC

**Power supply:** 230 V AC  
**PC interface:** USB  
**External temperature:** 0° C to +40° C  
**Dimensions:** 231 mm (l) x 18 mm (w) x 90 mm (h)  
**Weight:** approximately 1.6 kg

#### CC100 IO Module

**Power supply:** 48 V AC via network cable  
**Ambient temperature:** 0° C to +40° C  
**Dimensions:** 156 mm (l) x 95 mm (w) x 35 mm (h)  
**Weight:** Approximately 0.24 kg