



## CLEBER CU-01 ESSPx controller



CLEBER-CU01 R12K14

### DESCRIPTION

Cleber offers a powerful, flexible and modular hardware and software platform for broadcast operators, where customers can install up to six boards with no limitations in terms of position. Based on a Linux embedded OS, Cleber detects the presence of the boards and shows the related control interface to the user, either through web GUI and Touchscreen TFT display. Both AC and DC power supplies option are provided, as well as redundant configurations. The CU-01 is the optional board able to manage single or redundant SSPA and SSPB of ESSPx series. Through serial RS-485/RS-422/RS232 connection it may acquire measurements from the amplifiers/BUC and set configuration parameters, as well as 1:1 redundancy management, driving the waveguide switch. Every parameters can be easily checked and modified either through front panel TFT display touchscreen and via Ethernet connection (http native web pages and SNMP protocol). Thanks to embedded Linux OS, specific applications can be developed for customers.

### SPECIFICATIONS

#### SSPA/SSPB Control:

Connection: RS-232/485/422  
Indicator: Status/Alarm

#### Control:

Front panel (TFT touchscreen display)  
Web browser (embedded http server, no additional software required)  
SNMP v2

#### Electrical:

Supply:  
AC: 100-240 V~ 50/60 Hz IEC 320  
DC: 22 ÷ 65 V (2 pins plug)  
10 ÷ 36 V (2 pins plug)

Configuration:  
Single AC or DC  
Single AC and DC  
Dual Redundant Hot swappable AC  
Dual Redundant Hot swappable DC  
Dual Redundant Hot swappable AC+DC

### FEATURES

- Self-contained compact solution (1U Rack 19")
- Six plug-in slots available for any combination of boards
- ELBER ESSPx SSPA/SSPB remote controller
- Redundancy switch management
- TFT front panel control
- Embedded Linux OS
- Redundant power supply (AC and/or DC)
- WEB interface, SNMP v2 and GPIO

Power consumption:  
Base chassis: 4.5W  
CU-01 consumption: 5 W

#### Mechanical:

Chassis: 1U Rack 19"  
Dimensions:  
Width 482.5 mm  
Height 43.65 mm  
Depth 357.80 mm  
Weight:  
Base chassis: 2.5 Kg  
Maximum: up to 7 Kg (depending on number and type of slots)

#### Environmental:

Operative temperature range: -10 ÷ 60°C  
Relative Humidity: 0 - 95% non-condensing

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