

Power

Universal Comp@s Controller

Site and infrastructure control solution



UCC site control solution

- › Open standard controller platform
- › No proprietary protocols or application
- › Accessible on any web browser
- › Works with multiple protocols: SNMP, FTP, XML
- › Highly modular and scalable

Comp@s is a low cost monitoring and control platform designed to manage energy, environmental and access control of infrastructure equipment installed in remote areas. The platform is fully open and does not require any proprietary protocol or application to be used. Open your standard browser and connect to the IP address of the module to enjoy the monitoring and control of the site at fingertips. Furthermore, Comp@s is the first solution to be fully compliant with the ETSI ES 202 336 standard, offering an opportunity of interoperability to network operators.

The controller supports many protocols such as web based services, FTP (File Transfer Protocol), SNMP (Simple Network Management protocol) and XML (Extensible Markup Language) over HTTP (HyperText Transfer Protocol).

Comp@s is ultimately designed to bring savings in the operating expenses related to the infrastructure. Clear vision of a site status and variables from a central location enable to take the right decision prior to the eventual intervention. Measurements and statistical treatment of data also help saving in maintenance plan, energy provisioning and asset management.

The platform is designed to be modular and scalable to accommodate more variables and parameters by addition of modules and interfaces. This is why the shelf features 1 core module and 3 slots for ADIO cards.

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Electrical

Input Voltage: 18 to 60Vdc

I/O specifications (ADIO card)*:

* See specifications sheet for more details

12V output: 11.4 to 12.6Vdc

Voltage measurement: ... 0 to 60Vdc

Shunt input voltage: -60 to +60mV

Features

Features:

Shelf: 1 slot for the core module
3 slots for ADIO cards

Core module: CAN IN/CAN OUT connection
RS485, RS232
USB-A, USB-B
LAN
12Vdc output

ADIO cards*

ADIO 7 : Temperature measurement (8 inputs)
24 digital inputs

ADIO 10: Temperature measurement (2 inputs)
Up to 6 plug & play pulse counters
Voltage measurement (4 inputs)
Current measurement (2 inputs)
8 digital inputs
8 relays, 8 output LED for alarms

* For other configurations of ADIO cards, please contact your sales representative

Indicators:

Core module: LED off - no power available
Green LED - no failure
Orange LED - minor alarm detected
Red LED - major alarm detected
Blinking green LED - system rebooting

ADIO 10 card: LED on - relay active

Protection: DC input out of range (input fuse)

Mechanical

Dimensions:

mm: 40.5H (1U) x 448W x 255D

inches: 1.6H x 17.6W x 10D

Weight:

Bare shelf: 2.02kg (4.45lb)

Core module: 0.21kg (0.46lb)

ADIO card: 0.20kg (0.44lb)

Environmental

Temperature:

Standard: -25 to 70°C (-13 to 158°F)

Storage: -40 to 85°C (-40 to 185°F)

Humidity:

Operating: 5 to 95% RH non-condensing

Storage: 5 to 100% RH non-condensing

Elevation: Up to 2500m (8200ft)

Standards

Safety: CE marked
EN60950

Environment: RoHS compliant
ETSI EN 300 019-1-1 class 1.2
ETSI EN 300 019-1-2 class 2.2
ETSI EN 300 019-1-3 class 3.3

EMC*: ETSI EN 300 386 V1.1.3

* See specifications sheet for more details