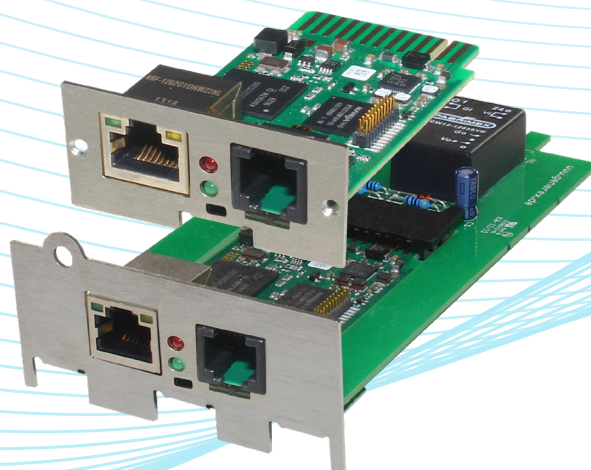
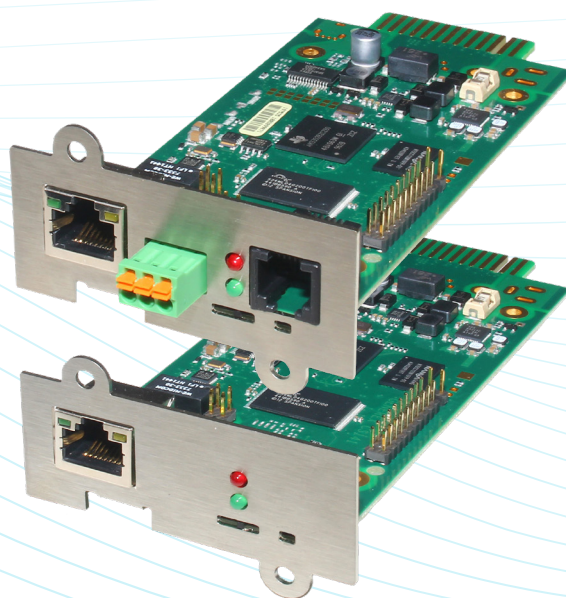


GENEREX Datasheet

CS181

Intelligent UPS- and Infrastructure Management



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All product datasheets are available for download
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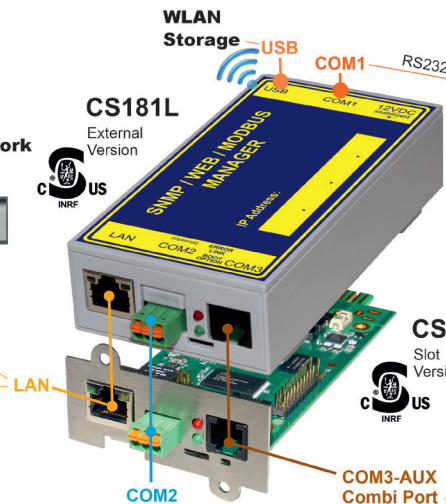
CS181L

Manage all stations in the network via RCCMD



Network Connectivity

- Web Based Configuration Interface
- 10Mbit-100Mbit-1Gbit Networks
- Remote Scripting
- RCCMD Network Messaging
- SNMP V2, V3
- SNMP RFC1628 Network Interface
- Email / EmailTrap
- MODBUS over IP
- BACnet over IP
- Build in SFTP Functions
- Event-, Data and Environmental Log
- RSyslog
- RADIUS
- Network Diagnostic Tools
- MQTT



Compatible with different UPS Products, STS/ATS and Power Generators

Options for CS181L

- SENSORMANAGER „SENSMC121“ *
 - Temperature and Humidity Combi Sensor „SM_T_H_COM“ *
- * = Required: „KABSMADB9“ cable



CS181SC

Slot Version

Option MODBUS for Facility Management

- HMI485 Display
 - MODBUS RS485
 - Indicating Instruments
 - UPS
- = Compatible with different UPS Products and Power Generators

„SPSMRJ_1“

Facility Management Extension Options

- Pipe-Through RS-232
- MODBUS RS232
- SENSORMANAGER „SENSMCSMR“
- Temperature and Humidity Combi Sensor „SMTHCOMMR“
- PROFIBUS „SPI_2_MR“
- PROFINET „PROF_MR“

Setup for dry contact and add-ons

- AS400 Adapter „AS400AUX4“
- Alarm Buzzer „CS141_BUZ“
- Relay Board „CON_R_AUX4“
- BACS - Battery Management System



Specification	CS181L Professional External (all UPS vendors)	CS181SC Professional Slot (all UPS vendors with SC slot format)
Power consumption	12V (min. 9V, max. 30V DC), 150 mA 2,1 mm Coaxial Power Plug	12V (min. 9V, max. 30V DC), 150 mA
Size (B x L x H), weight	69 x 126 x 35mm, 210g	60 x 120 x 29mm, 66g
Network / LAN	10/ 100/ 1000 Mbit Base-T auto sense	10/ 100/ 1000 Mbit Base-T auto sense
RS-232 interface COM1	1	1
RS-485 interface COM2	1	1
RESET – Button	-	1
USB interface	1	-
AUX interface COM3	1	1
MODBUS over IP	Standard	Standard
BACnet over IP	Standard	Standard
Remote syslog	Standard	Standard
Radius Server Support	Standard	Standard
Status LED's	normal green, boot/error red	normal green, boot/error red
User manual	German, Englisch	German, Englisch
MIB file available	RFC 1628 and private extensions	RFC 1628 and private extensions
Operating temperature.	0 – 70 °C	0 – 70 °C
Storage temperature	0 – 70 °C	0 – 70 °C
Max. operating ambient temperature with provided power supply	0 – 55 °C	N.A.
CPU	ARM Cortex A55 800MHz	ARM Cortex A55 800MHz
Flash Memory	8 GB	8GB
RAM	512 MB LPDDR4	512 MB LPDDR4
Humidity	20-95%, not condensing	20-95%, not condensing
Classified for	CE, UL 62368-1: 2018	CE, UL 62368-1: 2018
MTBF (EN/IEC 61709)	637 275h	662 837h
Product warranty	2 years	2 years

CS181BSC BASIC SLOT CARD

Manage all stations in the network via RCCMD



Network Connectivity

- Web Based Configuration Interface
- 10Mbit-100Mbit-1Gbit Networks
- Remote Scripting
- RCCMD Network Messaging
- SNMP V2, V3
- SNMP RFC1628 Network Interface
- Email / EmailTrap
- MODBUS over IP
- BACnet over IP
- Build in SFTP Functions
- Event-, Data and Environmental Log
- RSyslog
- RADIUS
- Network Diagnostic Tools
- MQTT

CS181BSC

Slot
Version



**Compatible with different
UPS Products, STS/ATS
and Power Generators**



Specification	CS181BSC Basic Slot Card - all UPS vendors with SC slot format
Power consumption	12V (min. 9V, max. 30V DC), 150 mA
Size (W x L x H), weight	60 x 120 x 29mm, 66 g
Network / LAN	10/ 100/ 1000 Mbit Base-T auto sense
RS-232 interface	1
RS-485 interface	-
Reset Button	1
USB Interface	-
AUX Interface	-
MODBUS over IP	Standard
BACnet over IP	Standard
Remote Syslog	Standard
Radius Server support	Standard
Status LED's	normal green, boot/error red
User manual	German, Englisch
MIB file	RFC 1628 and private extensions
Operating temperature.	0 – 70 °C
Storage temperature	0 – 70 °C
CPU	ARM Cortex A55 800MHz
Flash Memory	8GB
RAM	512 MB LPDDR4
Humidity	20-95%, not condensing
Certification	CE, UL 62368-1: 2018
MTBF (EN/IEC 61709)	720 794h
Product warranty	2 years

CS181MINI

Manage all stations in the network via RCCMD



Network Connectivity

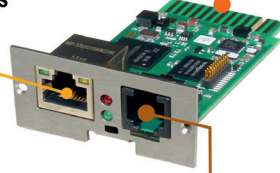
- Web Based Configuration Interface
- 10Mbit-100Mbit-1Gbit Networks
- Remote Scripting
- RCCMD Network Messaging
- SNMP V2, V3
- SNMP RFC1628 Network Interface
- Email / EmailTrap
- MODBUS over IP
- BACnet over IP
- Build in SFTP Functions
- Event-, Data and Environmental Log
- RSyslog
- RADIUS
- Network Diagnostic Tools
- MQTT

CS181MINI

Slot Version



LAN



**COM3-AUX
Combi Port**
Depending on
connected devices:
Adapter and/or
splitter required



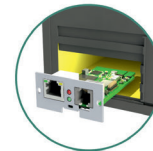
„SPSMRJ_1“

Facility Management Extension Options

- Pipe-Through RS-232
- MODBUS RS232
- SENSORMANAGER „SENSMCSMR“
- Temperature and Humidity Combi Sensor „SMTHCOMMR“
- PROFIBUS „SPI_2_MR“
- PROFINET „PROF_MR“

RS232

Compatible with different UPS Products, STS/ATS and Power Generators



Setup for dry contact and add-ons

- AS400 Adapter „AS400AUX4“
- Alarm Buzzer „CS141_BUZ“
- Relay Board „CON_R_AUX4“

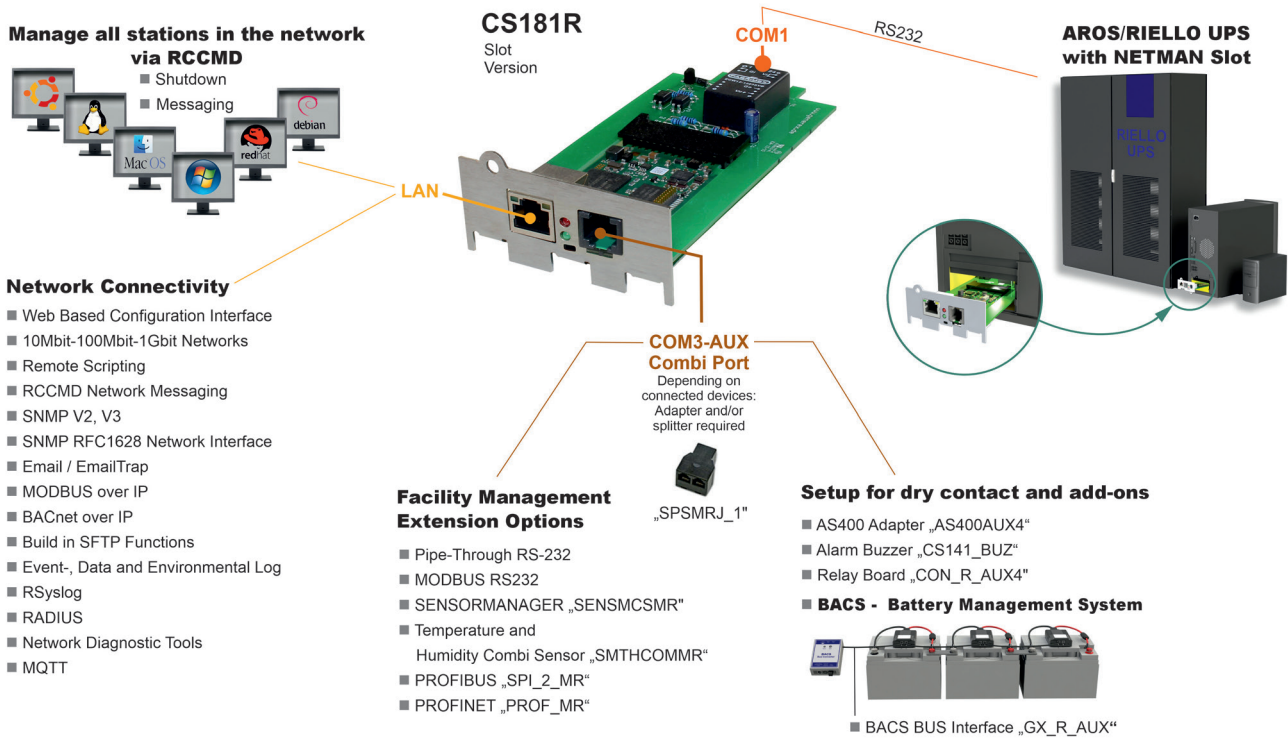
BACS - Battery Management System



■ BACS BUS Interface „GX_R_AUX“

Specification	CS181MINI for MINI Slot - all UPS vendors with Mini slot format -
Power consumption	12V (min. 9V, max. 30V DC), 150 mA
Size (B x L x H), weight	42 x 80 x 26mm, 36 g
Network / LAN	10/ 100/ 1000 Mbit Base-T auto sense
RS-232 interface COM1	1
RS-485 Interface COM2	-
Reset Button	1
USB interface	-
AUX interface COM3	1
MODBUS over IP	Standard
BACnet over IP	Standard
Remote Syslog	Standard
Radius Server support	Standard
Status LED's	normal grün, boot/error rot
User manual	German, English
MIB file available	RFC 1628 and private Extensions
Operating temperature.	0 – 70 °C
Storage temperature	0 – 70 °C
CPU	ARM Cortex A55 800MHz
Flash Memory	8GB
RAM	512 MB LPDDR4
Humidity	20-95%, not condensing
Certification	CE, UL 62368-1: 2018
MTBF (EN/IEC 61709)	750 503h
Product warranty	2 years

CS181R



Specification	CS181R (all UPS vendors with RIELO/AROS Netman slot format)
Power consumption	12V (min. 9V, max. 18VDC), 150 mA
Size (B x L x H), weight	75 x 145 x 32mm, 92g
Network / LAN	10/ 100/ 1000 Mbit Base-T auto sense
RS-232 interface	1
RS-485 interface	-
RESET Button	1
USB interface	-
AUX interface	1
MODBUS over IP	Standard
BACnet over IP	Standard
Remote Syslog	Standard
Radius Server support	Standard
Status LED's	normal grün, boot/error rot
User manual	German, English
MIB file available	RFC 1628 and private Extensions
Operating temperature.	0 – 70 °C
Storage temperature	0 – 70 °C
Max. operating ambient temperature	55 °C
CPU	ARM Cortex A55 800MHz
Flash Memory	8 GB
RAM	512 MB LPDDR4
Humidity	20-95%, not condensing
Certification	CE,
MTBF (EN/IEC 61709)	750 503h
Product warranty	2 years