Conext ComBox communication device

New monitoring solution from Schneider Electric

The Conext™ ComBox is a powerful communications and monitoring device for installers and operators of Conext solar systems. It features an integrated web server, enabling graphical displays of system daily, monthly and lifetime energy data to be viewed using a simple web browser or Android™ tablet device. Installers can change or configure the settings of Conext devices through the user-interface on the ComBox and respond to system email alerts promptly. A user-configurable data logger and integrated FTP server provides a system owner with powerful analytics tool for data download and analysis. Modbus™ interface on the ComBox links Conext devices with third party systems through RS485 or Ethernet ports. Conext ComBox is compatible with Xanbus™ protocol devices. For large multi-cluster systems, the ComBox can be setup in a master-slave configuration to monitor multiple separate Xanbus networks and supported Modbus devices, such as power meters.

Why choose Conext ComBox?

True bankability
- Warranty from a trusted partner with 178 years of experience
- World leader in industrial power drives, UPS and electrical distribution
- Strong service infrastructure worldwide to support your global needs

Higher return on investment
- Monitor solar system harvest and yield
- Measure and compare energy performance over varying timelines
- Receive email alerts and reduce system downtime

Designed for reliability
- Tested and qualified for harsh environmental conditions (HALT reliability testing)

Flexible
- Customizable home screen tailored to your specific system setup
- Multiple visualization options - bar charts or line graphs
- Retrieve data logs or system information through USB, Micro-SD card, RS485, Ethernet

Easy to service
- View or download an events log for faster troubleshooting
- Upgrade ComBox and Conext device firmware through a web browser or Android tablet
- Settings are maintained during power or network interruptions

Easy to install
- Configure devices using web browser, Android tablet or Modbus
- Surface or DIN-Rail mounting options
- Multiple power supply options, AC adapter, Xanbus, RS485

Conext ComBox
Android tablet application

Click here to download app from Google Play

Product applications

Backup power

Residential grid-tie solar with backup power

off-grid solar

Community electrification

Self-consumption

Schneider Electric™

solar.schneider-electric.com

Conext ComBox communication device

Device short name	Conext ComBox
Electrical specifications	
Communication interfaces	
Xanbus	Connector: 2 x RJ45
	Products Supported: Conext XW, SW, TX, GT-AUS, MPPT 60-150, MPPT 80-600, AGS, SCP
Ethernet	Connector: 1 x RJ45, 10 / 100 MBPS
	Server: FTP, Web, Modbus TCP/IP slave, SMTP, SNTP, Auto discovery: DPWS
RS485	Modbus (1 x Connector: Screw 5-terminal, 16-24AWG, 2-wire serial, 19200 bps)
Data Interfaces	
USB 2.0-Host	Connector: USB-A, Protocols: MSD (firmware upgrades and device locator)
USB 2.0-Device	Connector: USB-mini B, Protocols: MSD (data extraction)
Power supply options	
DC input	Certified / Listed / CE, using a 6.5 mm power plug, 9 - 24 Vdc (universal multi-pin AC adapter included)
Power consumption	<2 W typical / 10 W peak
Xanbus	When connected to Conext XW, SW or MPPT 80 600, or more than one Conext TX
RS485 connector	24 Vdc input(safety extra low-voltage only)
Memory	
Internal	96 MB flash
External	Micro-SD Card (2GB or more, class 2 or better recommended)
Conext ComBox Android tablet application*	
Software	Minimum Android version 4.0 (Ice Cream Sandwich), download via Google Play
Hardware	Minimum tablet screen size (7", 1024 x 600, e.g. Acer Iconia Tab A100, Acer Iconia Tab A500, Google Nexus™ 7, Asus Transformer TF700T, Samsung Galaxy Tab™ 2 10.1)
General specifications	
Weight	0.25 kg (0.55 lb)
Dimensions (H x W x D)	11.4 x 16.9 x 5.4 cm (4.5 x 6.7 x 2.1 in)
Housing/mounting system	ABS Plastic / DIN-rail: 35 mm, Wall-mount: 2-screw
IP rating/mounting Location	IP 20, NEMA 1, Indoor only
Status display	5 x LEDs
Temperature	Operating: -4 to 122 °F (-20 to 50 °C) / storage: -40 to 185 °F (-40 to 85 °C)
Humidity	Operating: < 95%, non-condensing / storage: < 95%
Part number	865-1058
Features	
Programmable dry contact relay	Screw 3-terminal, 16-24 AWG, NC-Com-NO, Form: Class 2, 24 Vdc 4 A max
Graphical user interface	Internet Browser, Android tablet app
Remote firmware upgrades	Yes (ComBox and connected Xanbus devices)
Custom datalogger	Yes (requires Micro-SD card)
Warranty	5 years
Number of Xanbus devices	Up to 20 (depending on device type)
Regulatory approvals	
Marking	CE, RCM
EMC immunity	EN61000-6-1 residential / commercial
EMC emission	EN61000-6-3, FCC Part 15 Class B, Ind. Canada ICES-003 Class B
Substances/environmental	RoHS

Specifications are subject to change without notice. *Tablet not included

---

Conext ComBox communication device works with the following Schneider Electric products

Conext XW⊞ inverter/charger
XW 5548 NA Product no. 865-5548-01
XW 6848 NA Product no. 865-6848-01
XW 7048 E Product no. 865-7048-61
XW 8548 E Product no. 865-8548-61

Conext SW inverter/charger
SW 2524 120 Product no. 865-2024
SW 4024 120 Product no. 865-3524
SW 2524 230 Product no. 865-2524-61
SW 4024 230 Product no. 865-3524-61

**Conext MPPT 60 150
solar charge controller**
Product no. 865-1030-1

**Conext MPPT 80 600
solar charge controller**
Product no. 865-1032

System Control Panel (SCP)
Product no. 865-1050-01

Automatic Generator Start (AGS)
Product no. 865-1060-01

Conext Battery Monitor
Product no. 865-1081-01