Conext™ ComBox communication device

New remote monitoring from Schneider Electric™

Operators of Conext solar systems can now remotely monitor yield performance using devices of their choice, such as personal computers, tablet devices, or building management systems. Data logs and event logs for each device, as well as graphical displays of historical and solar system harvest, and plant yield are easily reviewed using a web browser or Android tablet device. Installers can change the settings of Conext devices during commissioning and react 24/7 to system alerts remotely. A Modbus™ interface links Conext devices with sophisticated third party software packages and building management systems. Integrated Micro-SD card provides for additional data storage. Conext ComBox is compatible with Xanbus™ protocol devices.

Why choose Conext ComBox?

True bankability
- Warranty from a trusted partner with over 177 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

Designed for reliability
- Robust design through rigorous Multiple Environmental Over Stress Testing (MEOST) and Temperature Humidity Bias (THB)

Flexible
- Configure up to twenty Xanbus protocol devices
- Works with Conext XW, SW, GT-AUS, MPPT 60-150, MPPT 80-600, AGS, SCP
- Access Conext devices over Modbus protocol

Easy to service
- Remotely monitor, faster access and troubleshoot systems 24/7
- Remotely upgrade ComBox and Conext device firmware
- Settings are maintained during power or network interruptions

Easy to install
- Configure devices using web page interface or Android tablet
- Surface or DIN-Rail mounting
- Multiple power supply options

Product applications

Residential, backup power and grid-tie

Small commercial, backup power and grid-tie

Off-grid solar

Community electrification

Schneider Electric

Conext ComBox communication device

Device short name	Conext ComBox
Electrical specifications	
Communication interfaces	
Xanbus	Connector: 2 x RJ45
	Products Supported: Conext XW, SW, GT-AUS, MPPT 60-150, MPPT 80-600, AGS, SCP
Ethernet	Connector: 1 x RJ45, 10/100 MBPS
	Server: FTP, Web, Modbus TCP/IP Client: SMTP, SNTP, Auto discovery: DPWS
RS485	Modbus (1 x Connector: Screw 5-terminal, 16-24AWG, 2-wire serial, 19200bps)
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: CDC, MSD (data extraction)
Power supply options	
DC input	Certified/Listed/CE, using a 6.5mm power plug, 9 - 24V d.c. (universal multi-pin AC adapter included)
Power consumption	4W typical/10W peak
Xanbus	When connected to Conext XW, SW or MPPT 80 600
RS485	24V d.c. (safety extra low-voltage only)
Memory	
Internal	96MB flash
External	Micro-SD Card (2GB or more, class 2 or better recommended)
General specifications	
Weight	0.25kg (0.55lb)
Dimensions (H x W x D)	11.4 x 16.9 x 5.4cm (4.5 x 6.7 x 2.1in)
Housing/mounting system	ABS Plastic/DIN-rail: 35mm, 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, 24V d.c. 4A 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.

Conext ComBox communication device works with the following Schneider Electric products

Conext XW inverter/charger (230 V/50 Hz)
XW 4024 Product no. 865-1045-61
XW4548 Product no. 865-1040-61
XW 6048 Product no. 865-1035-61

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

GT series grid tie solar inverter (Australia)
GT 2.8 Product no. GT2/8lNVERTER
GT 5.0 Product no. GT5/0lNVERTER

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

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

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

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