# 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 175 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

**Flexible**
- Configure up to twenty Xanbus protocol devices
- Works with Conext XW, SW, TX, 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
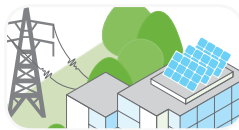- Settings are maintained during power or network interruptions

**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

PRELIMINARY

| 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 Client: 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: CDC, 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 | 4 W typical / 10 W peak |
| Xanbus | When connected to Conext XW / SW or MPPT 80 600, or more than one Conext TX |
| RS485 | 24 Vdc (safety extra low-voltage only) |
| **Memory** | |
| Internal | 96 MB flash |
| External | Micro-SD Card (2GB or more, class 2 or better recommended) |
| **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.

## 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
XW 6048 Product no. 865-1035-61
**(120/240 V/60 Hz)**
XW 4024 Product no. 865-1010
XW 6048 Product no. 865-1000-01

**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 TX grid tie solar inverter**
(N. America)
TX 2800 Product no. 878-2801
TX 3300 Product no. 878-3301
TX 3800 Product no. 878-3801
TX 5000 Product no. 878-5001

**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

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