



## XP-3100 Overview

- > Supplies dedicated DC power for Wi-Fi Arrays
- > Eliminates the need for providing AC power
- > Alternative to Power over Ethernet
- > Supports up to 12 Wi-Fi Arrays

The optional XP-3100 Remote DC Power System provides a centralized mechanism for distributing 48 volt DC power to the family of Wi-Fi Arrays when AC power is unavailable or cost-prohibitive to deploy. The XP-3100 Remote Power System consists of a chassis (XP-3100-C) and up to 3 expansion modules (XP-3100-M) providing maximum flexibility in provisioning power to each Wi-Fi Array deployment location.

By providing two powering options (AC or DC) for the family of Wi-Fi Arrays, Xirrus eliminates the need to install 110/220V AC outlets at each deployment site. Using standard copper-based CAT-5 data-grade cable to carry 48 volt DC, the XP-3100 provides an alternative to provisioning AC power — reducing deployment costs and simplifying provisioning. All Arrays can be powered using the XP-3100 at distances up to 300 feet (92 meters) when using CAT-5 cable or 1,000 feet (305 Meters) when using 16 gauge cable.

## Centralized Power Distribution

- Centrally distribute 48 volt DC power for up to 12 Wi-Fi Arrays from the IT closet
- Uses standard CAT-5 data-grade cable to carry 48 volt DC to the Wi-Fi Array
- A minimum of two cables (one data / one power) can be pulled per Wi-Fi deployment reducing provisioning cost and complexity

## Easy Installation

- Standard CAT-5 networking cable can be used and is terminated at both ends with a Xirrus power connector (provided)
- 1U compact appliance fits into existing wiring closets using minimal rack space
- Incrementally add support for additional Wi-Fi Arrays as the Wi-Fi network grows

## Scaleable Solution

- Supports up to 3 Expansion Modules providing maximum flexibility during Wi-Fi rollouts
- Each Expansion Module supports 4 Wi-Fi Arrays — fully populated XP-3100-C supports 12 Wi-Fi Arrays

## Extend UPS Protection

- When used in conjunction with an UPS, the XP-3100-C makes all Wi-Fi Arrays immune from power outages providing increased network uptime

## Specifications

### XP-3100-C Chassis

- 1U, rack-mountable

### Arrays Supported

- Supports up to 4 Arrays
- One additional XP-3100-M: 8 Arrays
- Two additional XP-3100-M: 12 Arrays

### Input Voltage

- Up to three 100-240VAC 47-63Hz
- Input connector: IEC60320 C14

### Output Current

- 48VDC 1.5A nominal
- Output connector: TYCO AMP 796634-3

### LED Indicators

- AC Power and DC Status lights

### Mechanical

- 19 inch rack-mountable 1U chassis
- Height: 1.72in (43.7mm)
- Width: 17.19in (437mm)
- Depth: 3.25in (336mm)

### Operating Temperature Range

- 0C to 70C ambient
- 0-90% humidity (non-condensing)

### Storage Temperature Range

- -40C to 85C ambient
- 0-90% humidity (non-condensing)

### Weight

- 10lbs (4.53kg)
- With one expansion module: 12.75lbs (5.78kg)
- With two expansion modules: 15.5lbs (7.03kg)

### Input Protection

- Internal Fuse, 20A

### Safety Certifications

- UL/cUL EN60950

### Warranty

- One Year

### XP-3100-M Expansion Module

#### Arrays Supported

- 4 Per Expansion Module

#### Mechanical

- Height: 1.6in (41mm)
- Width: 5in (437mm)
- Depth: 10.16in (258mm)

#### Input Voltage

- 100-240VAC 47-63Hz
- Input connector: IEC60320 C14

#### Output Current

- 48VDC 1.5A nominal
- Output connector: TYCO AMP 796634-3

#### LED Indicators

- AC Power and DC Status lights

#### Operating Temperature Range:

- 0C to 70C ambient
- 0-90% humidity (non-condensing)

#### Storage Temperature Range:

- -40C to 85C ambient
- 0-90% humidity (non-condensing)

#### Weight

- 2.75lbs (1.25kg)

#### Input Protection

- Internal Fuse, 20A

#### Warranty

- One Year