

# WiscNet Managed CPE

- [WiscNet Managed](#)
  - [Cisco ASR920](#)
    - [Overview](#)
    - [Physical Ports and Status Lights](#)
  - [Cisco ME3400](#)
- [WiscNet on BadgerNet](#)
  - [NTE](#)
  - [Optical](#)

Information about WiscNet Managed Customer Premises Equipment (CPE)

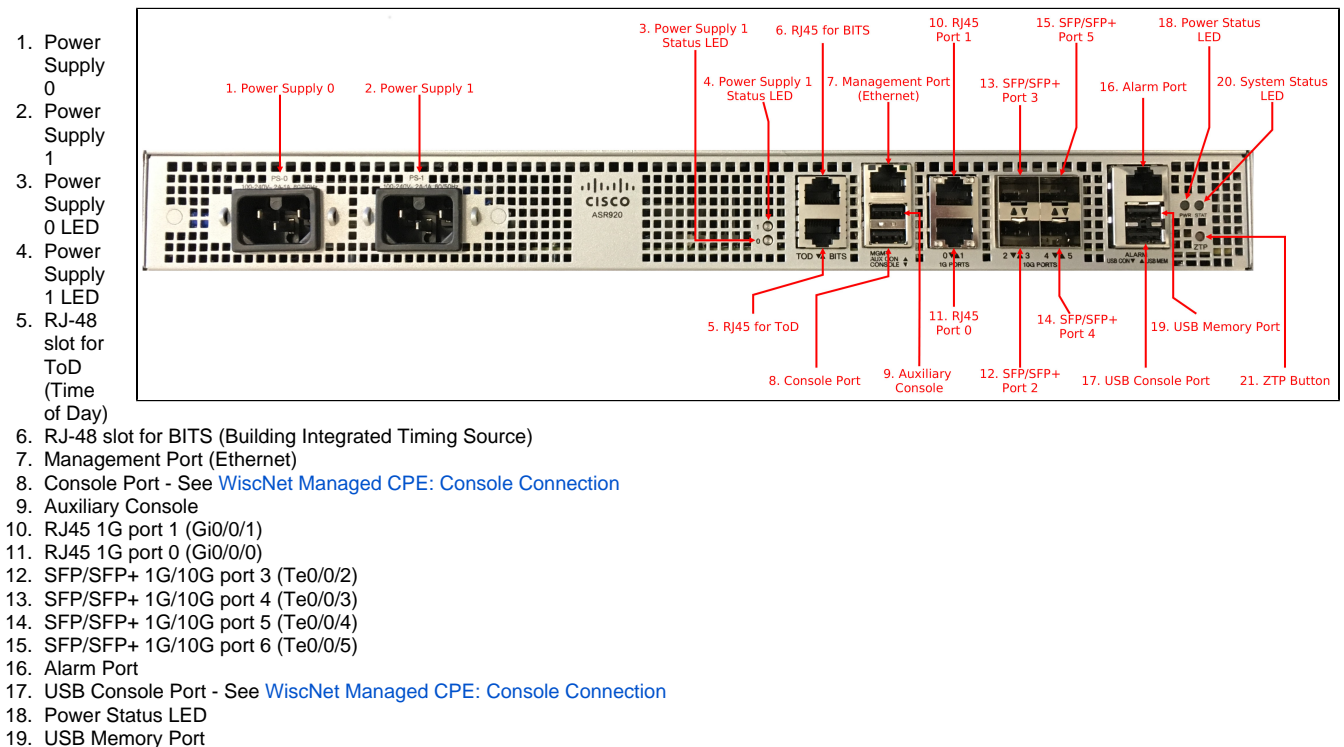
## WiscNet Managed

### Cisco ASR920

#### Overview

- Model: ASR-920-4SZ-A
- Connectivity: 4x 10G SFP+, 2x 1G RJ45
- Throughput: 42 Gbps
- Power
  - Consumption
    - Max 105W
    - Typical: 75W
  - Voltage range
    - 100V–240V
  - Plug
    - C16
    - ASR920s WiscNet ships will come with two compatible 5-15P to C15 power cables
- Dimensions: (Height x Width x Depth) 1.72 x 15.5 x 9.1 in. (43.7 x 393.7 x 231.1 mm)
- Rack units: 1 RU
- Operating temperature: -40°C to +70°C, up to 1,000 feet (300m)
- Airflow: Front to back

#### Physical Ports and Status Lights




- a. Allows for the use of FAT32 formatted thumb drives
  - b. Alternative method for loading firmware, configurations, etc
  - c. Maximum memory supported in ROMmon is 8GB and in Cisco IOS is 16GB
20. System Status LED (See [this link](#) for LED error decoding)
21. ZTP Button (Zero Touch Provisioning)

Additional Info

[Cisco ASR 920 Series Aggregation Services Router Hardware Installation Guide](#)

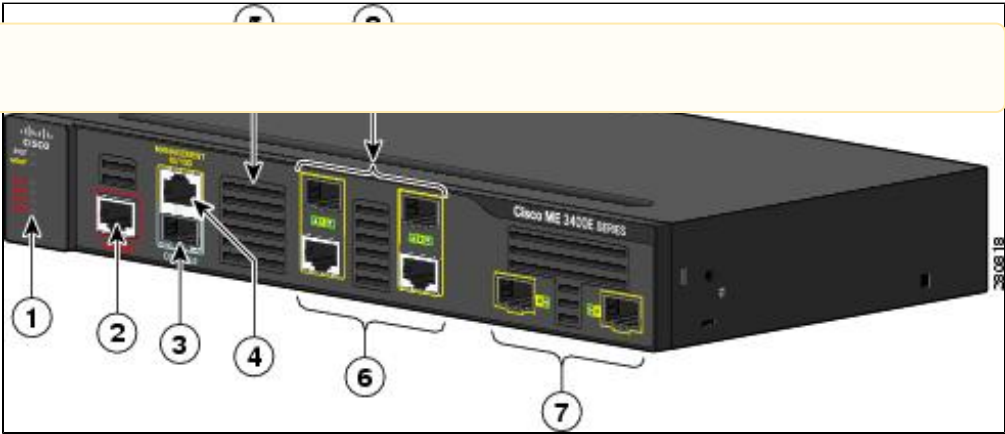
Cisco ME3400



ME3400 is end of life. Please see [Hardware End of Life FAQ](#).

Model: ME 3400EG-2CS-A

- LEDs
- Alarm Input Port
- Console Port (RS232) - See [WiscNet Managed CPE: Console Connection](#)
- Ethernet Management Port
- Air Intake Vents
- Copper Ports 1, 2
- 1g SFP Ports 3, 4 (NNI)
- 1g SFP Ports 1, 2 (UNI/ENI)



Typical usage

- Port 1 Member LAN/firewall
- Port 2 Outbound carrier circuit (incl Badgernet)

Additional Info

[Cisco ME 3400E Ethernet Access Switch Hardware Installation Guide](#)


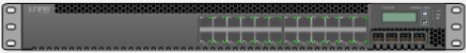
WiscNet on BadgerNet

In many cases the circuit will come into the Ceina box, over to a patch panel, and then to the Juniper.

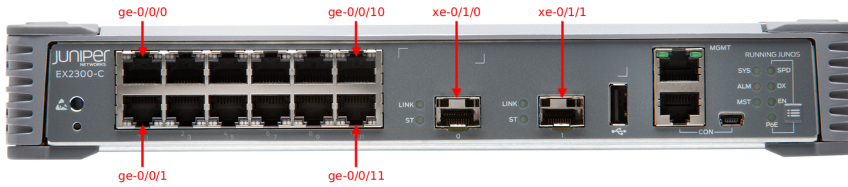
Images provided below to help identify which devices is in which role to help confirm power and link.

NTE

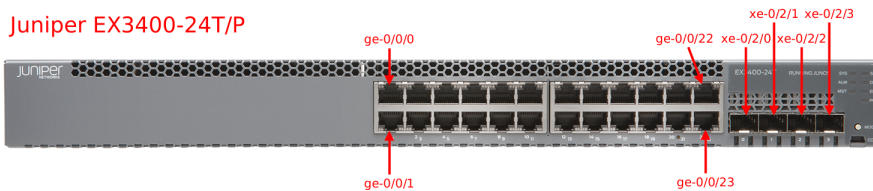
BadgerNet uses Junpier EX2200, EX2300, EX3400, and EX4300 devices to provide Layer2 connectivity for WiscNet on BadgerNet. These devices typically have a fiber uplink to an Optical device, listed below.

Badgernet NTE		
 <p>EX2200-C/EX2300-C (1 Gb Uplink)</p>  <p>EX3300 (10 Gb Uplink)</p>	Interface	Service
	GE 0/0/0 GE 0/0/1 GE 0/0/2 GE 0/0/3 GE 0/0/4 GE 0/0/5 GE 0/0/6 GE 0/0/7 EX 0/1/2  GE 0/1/1 EX 0/1/1	Managed video codec Managed Crestron touch panel Managed Crestron controller Category A or B (VLAN and vrf A) Category A or B (VLAN and vrf B) Category A or B (VLAN and vrf C) Category A or B (VLAN and vrf D) Category C 10 Gb Service (EX3300)  1 Gb WAN Uplink (EX2200) 10 Gb WAN Uplink (EX3300)

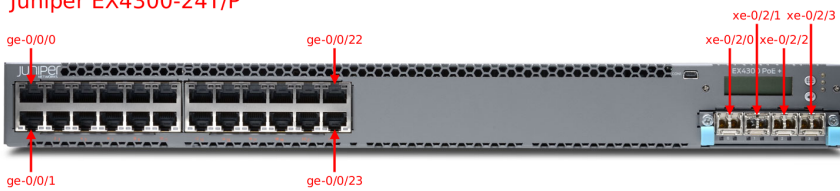
Juniper EX2300-C



Juniper EX3400-24T/P



Juniper EX4300-24T/P



## Optical

Devices used by last mile provider to provide layer1 connectivity to the Layer2 BadgerNet NTE. Device model varies by provider, examples of possibilities are below.



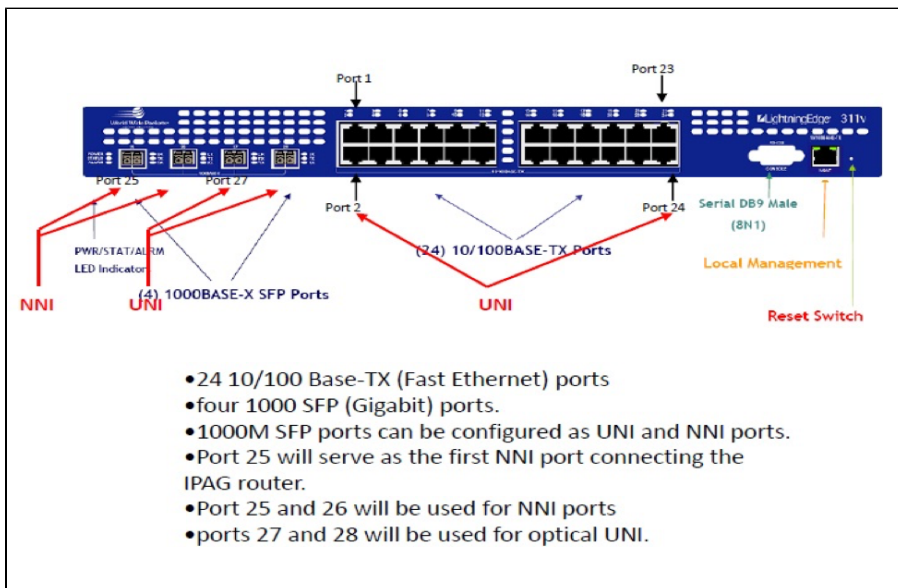
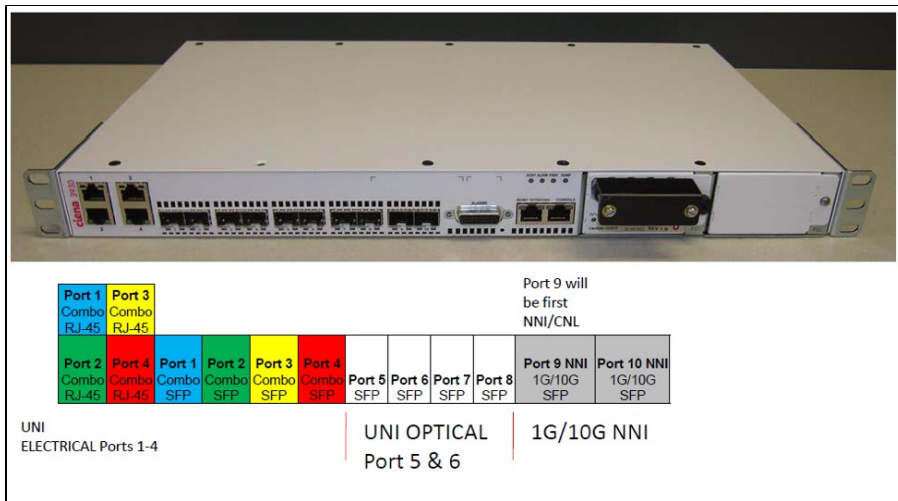
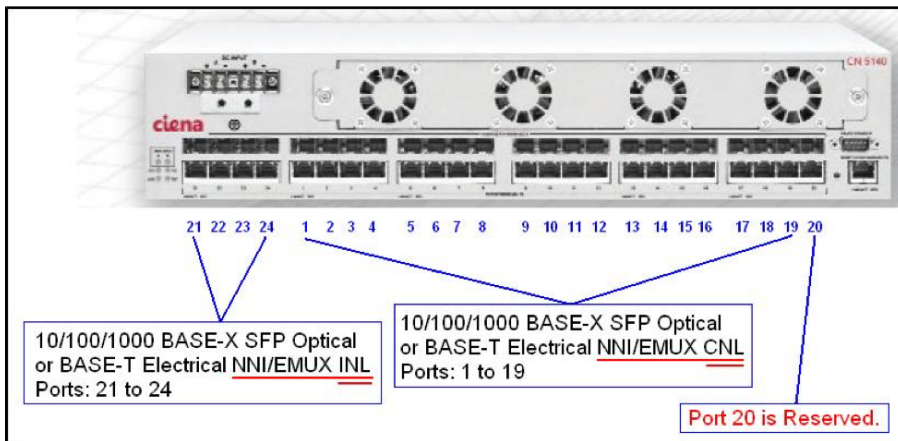
•1 → 8

•9 → 12  
•UNI •NNI

The ports shown above are 10/100/GIGE SFP/RJ45 ports – Their use are only for UNIs.

The ports shown above are 10000M XFP ports – ports 9-10 (dashed arrow) are designated as UNIs – ports 11-12 (green arrow) are designated as NNIs.

The console ports are for local management (DB9 blue arrow - 10/100 RJ45 purple arrow).



## Chassis and Components

Non-conductive, all plastic enclosure.

Detachable mounting pad provides desktop or wall mounting.

Not intended for rack mounting (no rack mounts available).

Single, external wall socket mounted power supply: 100 to 240 VAC input.

