

## Chapter 1 Safety Guidance

### 1.1 Safety Check

Before installing the ZXA10 F420 device, you must check the following items.

#### 1 Electric safety

- Ensure that there are no inflammable, conductive or moist objects around. Check whether the cables are aged and whether other electrical appliances are placed stably.
- Check whether the alternating or direct input current is within the allowed range of the device, whether the polarity of the direct current is correct, and whether the earth line is properly connected.

#### 2 Device position

- Because the running electric device easily generates heat, please ensure to place the device in a well-ventilated environment.
- Place the device on a stable and flat plane.
- Avoid direct sunshine, and do not place the device on a PC case.
- Keep the device away from heat and water.
- Check whether power supply is available. The input voltage fluctuation range must be smaller than 10%. The power plug should not share one socket with a hair drier, an iron or refrigerator.

### 1.2 Safety Cautions

- Read the user manual carefully before using the device.
- Note all Cautions in the user manual and product guide.
- Do not use any accessory that does not belong to the device without prior consent of the manufacture, as it may cause fire or product damage.
- Use the power adapter accompanied in the package.
- Do not place any object on the device.
- Keep the device dry, ventilated, rainproof, and clean.
- During lightning weather, unplug the power plug and all connection cables, to protect the device against lightning.
- Clean the device using a soft and dry cloth rather than liquid or atomizers. Power off the device before cleansing it.
- Power off the idle device.
- Keep the ventilation hole clean and prevent any object from dropping into the device through it. Otherwise, it may cause short circuit and further cause device damage or fire. Do not spray liquid on the surface of the device.
- Do not open the case of the device, especially during device power-on.
- Before plugging or unplugging the power, ensure that the power is off, thus avoiding surge.
- Be careful when unplugging the power, as the transformer may be very hot.
- Cover the optical interface with fiber interface cap when it is not in use. Avoid direct eye exposure to the laser emitted from the optical interface. Wear safety glasses if possible, to protect your eyes.



#### Caution:

Please read the above safety guidance carefully before device use. Users should assume responsibilities for any accidents due to incompliance with the above instructions.

## Chapter 2 Overview

The ZXA10 F420 is an optical network unit (ONU) for the broadband network provided by ZTE Corporation. It uses the computer network technology and broadband optical network access technology, to create a residential network center. In this way, residential network devices are connected with each other to share Internet network connection. The ZXA10 F420 provides your various comfortable, convenient, customized, effective, extensive, safe, and, versatile services.

### 2.1 Features

The ZXA10 F420 has the following features:

- Support up to 20 km transmission distance.
- Provide 4 x 10/100 M electrical interfaces.
- Provide 2-channel VoIP phone interface.
- Support Layer 2 data forwarding of full line rate.
- Support setting the rate, duplex, flow control, and enabling status of the user port.
- Support IEEE 802.1Q protocol.
- Support IGMP Snooping.
- Various QoS policies.
- Support CTC interconnection mode.
- Support ZTE OAM management.
- Support local and remote Web management.
- Extensive and detailed network management capability.
- Small structure and neat appearance. Support installation on the desk, of wall mount, or in the information box in the corridor.
- Support UPS supplies power. When 220 V AC is powered off, the SFU is available no less than 2 hours according to different SFU device.

### 2.2 Product Specifications

- Environmental requirements  
Environmental temperature: -5°C—45°C (23°F—113°F)  
Relative humidity: 10%—90%, non-condensing
- Power specifications  
Power adapter:  
Input: 100V—240 V AC, 50 Hz—60 Hz  
Output: 12 V DC, 1.5 A  
Power consumption: smaller than 15 W
- Comply with standards  
The device complies with the following standards (including but not limited to):  
GB4943-2001 Safety of Information Technology Equipment  
Gb9254-1998 Information Technology Equipment-Radio Disturbance Characteristics-Limits and Methods of Measurement

YD/T993-1998 The Technical Requirements and Test Methods of Overvoltages and Overcurrents Resistibility for Telecommunication Terminal

The device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### 2.3 Package Check

- ZXA10 F420 Modem x1
- AC-DC power adapter x1
- User Manual x1
- RJ-45 Ethernet cable x1
- Quality Warranty Card x1
- Certificate of Quality x1



#### Note:

Please use a power adapter that is included in the ZXA10 F420 package.

### 2.4 System Requirement

Before installing the ZXA10 F420, please check the following items.

#### 1 Service subscription

You need to apply service to your Internet service provider (ISP), and access services provides by your ISP by using PON access mode (broadband access). Your ISP must provide at least one valid IP address for you (static or dynamic allocation).

#### 2 Hardware configuration

Ensure that an Ethernet card that supports 10/100 Mbps is installed in your computer or that you have a network device that provides a 10/100 Mbps Ethernet interface.

Ensure that computers that need to access the network are equipped with the network card driver and TCP/IP protocol. Correct network setting is also required.

#### 3 Operating system

Operating systems can be Windows 98SE, Windows Me, Windows 2000, or Windows XP. For system configuration in the WEB interface, the browser should be Internet Explorer V 6.0 or later.

## ZTE Corporation Warranty Card

Dear customer,

Thank you for choosing the ZTE communication product. To obtain our best service, please read the information in this warranty card carefully and keep this card properly. ZTE Corporation warrants that the product will be free of manufacturing defects for a period of one year from the date of purchase. Should there be a manufacturing defect in the product during the limited warranty period, ZTE Corporation shall provide free service and maintenance for the defective product.

#### Notice for Customers

ZTE Corporation will charge for parts, components, or services under either of the following circumstances:

- After the warranty of the parts and/or the components has expired.
- Damage caused by purchaser in transportation or shipping.
- Damage caused by disassembly, repair or modification of the product by anyone other than warrantor authorized dealers and service providers.
- Damage caused by operation outside the instructions and notices stated in the operation manual (such as damage caused by hot plug of the product).
- Damage caused by irresistible natural disasters.
- Purchaser fails to present the warrant card, or the warranty card does not conform to the product, or the records in the warranty card are incorrect.

#### Customer Information

Customer Name		Purchase Date	
Contact Person		Customer Phone	
Address			
Dealer		Dealer Phone	
Model Number		Serial Number	