IO-Power Outdoor Wireless Access Point Series

500AG/600AG/3300AG

Quick Installation Guide v5

1. Product and Parts
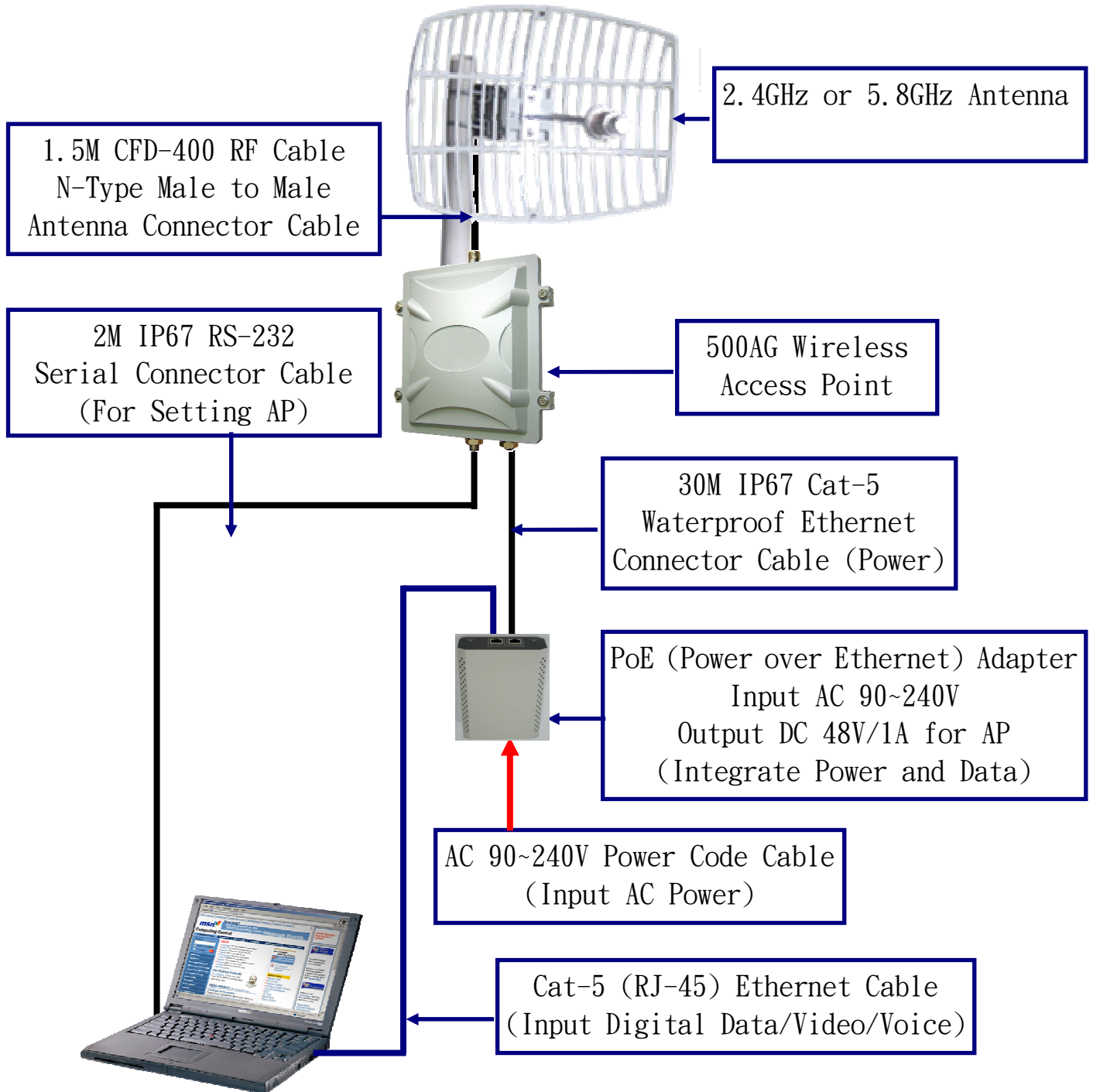

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6   7   8   9   10

1. 500AG/600AG/3300AG 802.11a/b/g Outdoor Wireless Access Point unit

2. PoE Power Injector (Input AC 90~240V, Output DC 48V/1A)

3. AC Power Cord

4. 30m MIL-C-5015 IP67 Cat-5 Ethernet Cable

5. 2m MIL-C-5015 IP67 RS-232 Console Cable

6. Grounding Wire

7. Wall Mounting Kit & Screw

8. Mast Mounting Kit & Screw

9. Quick Installation Guide.

10. CD: User Manual

Please contact your local distributor/reseller if any of the above items is missing.

2. Basic Connection

2.4GHz or 5.8GHz Antenna

1.5M CFD-400 RF Cable
N-Type Male to Male
Antenna Connector Cable

2M IP67 RS-232
Serial Connector Cable
(For Setting AP)

500AG Wireless
Access Point

30M IP67 Cat-5
Waterproof Ethernet
Connector Cable (Power)

PoE (Power over Ethernet) Adapter
Input AC 90~240V
Output DC 48V/1A for AP
(Integrate Power and Data)

AC 90~240V Power Code Cable
(Input AC Power)

Cat-5 (RJ-45) Ethernet Cable
(Input Digital Data/Video/Voice)

3. AP Configuration with SMT User Interface

3-1. Configuring AP with Telnet

STEP–1. Power on the AP

1.Connect power supply to PoE injector with the AC power cord provided as shown in the above diagram. The yellow **POWER** LED on the PoE will be on when the PoE has adequate power supply.

2.Connect The AP to **POWER & DATA OUT** port on the PoE with MIL-C-5015 IP67 Cat-5 Ethernet Cable provided. The red **ACTIVE** LED indicates if the AP has successfully powered-on.

3.Connect **DATA IN** port on the PoE injector with Ethernet cable to the LAN that the AP associates with.

STEP–2. Verify IP address setting

Configure the network settings on your PC to obtain an IP address. Computer uses IP addresses to communicate with each other across a network, such as a LAN. **The default IP address of the AP is 192.168.1.1** so the PC needs to be set in the same net scope to access AP with Telnet.

1.Go to **Control Panel** of your PC and double-click **Network Connections** icon.

2.Right click **Local Area Connection** and select **Properties**.

3.Select **TCP/IP** for the applicable Ethernet adapter and click **Properties**.

4.Click the **IP Address** tab page, select **USE the following IP address**, type an address between **192.168.1.2** to 1**92.168.1.254** (192.168.1.1 is for the AP) for **IP Address** and **255.255.255.0** for **Subnet Mask**, then click **OK** button.

STEP–3. Connect the AP by telnet

After having the correct connection, start the telnet session to **192.168.1.1**. **Enter the default password (Please Check User Menu)** and press ENTER on your keyboard to enter the main menu. The system menu tree (SMT) will appear on your terminal software as shown below.

```
General Configuration            System Management
   11.System General Setup          31.Configuration Management
   12.Interface Configuration       32.Security File Management
   13.Assign WAN Interface          33.Firmware Upgrade
   14.Routing Configuration         34.System reboot

Advanced setting                 System Monitoring
   21.System Password               41.Interface Link Status
   22.Bandwidth Control             42.Connecting Client List
   23.DHCP Configuration            43.System log
   24.NAT Configuration             44.System Information
   25.SNMP Configuration            45.Command Line
   26.Wireless Security Setting     99.Logout

            Enter Menu Selection Number :
```

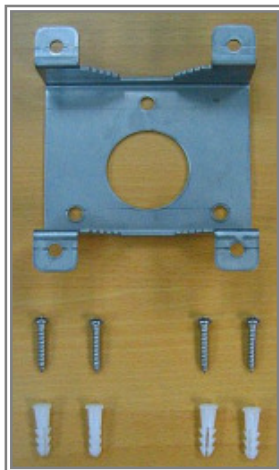Please refer to the user manual for detailed description of each selection item.

3-2. Configuring AP with Console

Alternatively, the AP can be configured via console and serial port on your PC.

1.Connect power supply to PoE injector with the AC power cord provided, and connect The AP to **POWER & DATA OUT** port on the PoE with MIL-C-5015 IP67 Cat-5 Ethernet Cable provided as shown in the connection diagram. Both **POWER** and **ACTIVE** LED on the PoE will be on when The AP is properly powered-on.

2.Connect the AP and the PC with MIL-C-5015 IP67 RS-232 Console Cable with 115200bps connector (the black color RS232 connector) provided.

3.Adjust the baud rate of your terminal software to 115200bps (128kbps).

4.Set the flow control to N/A.

5.Connect the AP from terminal software.

6.Enter the default password **(Please Check User Menu)** and press enter on your keyboard to into the main menu of SMT. If the connection is correct, the main menu of The system menu tree (SMT) will appear on your terminal software.

4. Outdoor Installation

Mounting Kits

5. Waterproof Installation and Protect Device

Most of the problems of outdoor models are from the connector connections that loosen over time due to vibration or other forces, even allowing moisture to penetrate the connector and seriously affecting the data and radio signal transmit. The following recommendation is used for all outdoor installation to be waterproofed.

Step1: Fasten all connectors securely together.

Step2: Tightly wrap two layers of self-bonding insulating tape forward and backward over the physical connection extending 2 inches beyond the connectors or the end of heat-shrinkable tubing on the RF coaxial cable or omni- antenna connector, and overlapping the tape on each turn.

Step3: Recover again by tape more cover 1.5cm.