AP700 : Proxim entry-level enterprise indoor Access Point

**AP700 positioning**

The ORiNOCO AP-700 balances enterprise-scale security, management and Quality of Service features with a *moderate price point* – supporting either 802.11a or 802.11b/g mode operation.

The high-performance AP-700 is the entry-level solution in Proxim's next-generation line of access points supporting enterprise voice and video applications. The AP-700 is perfect for mid-size production Wi-Fi networks.

**Basic specifications:**

- Tri-mode indoor access point
- supports 802.11b/g OR 802.11a wireless operation (configurable in software)
- 1 radio card built into the unit
- Integrated antennas built into the unit
- 2 connectors for extra external antenna’s (proprietary Proxim connectors)
  - Antenna’s available for extra range / increased signal
  - Antenna’s available for extra directional coverage
- AP700 can be powered using:
  - Power supply ( supplied with the unit)
  - Power over Ethernet ( PoE injector not supplied with the unit!)
- Configuration via:
  - Web based configuration
  - Serial interface

**Available Models:**

<table>
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<th>Ref.</th>
<th>Anixter n°</th>
<th>Description</th>
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<tr>
<td>8675-EU-WD</td>
<td>339221</td>
<td>AP700, EU PS / World model ( supports 2.4Ghz and 5.15-5.35Ghz &amp; 5.47-5.725Ghz &amp; 5.725-5.825Ghz)</td>
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<td>8675-UK-WD</td>
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**AP700 World:**

8675-xx-WD, the universal model : The AP700 World model supports all available 2.4Ghz & 5Ghz wireless frequency bands. By selecting the country of installation in the configuration, the Access Point will open up those frequency bands that are legal in that respective country.

**What about security:**

The AP700 provides very strong & enhanced security features, providing the option to implement a highly secure quality wireless network.

**Embedded security features include:**

- IEEE 802.11i security standard with AES encryption
- IEEE 802.1X mutual authentication
- Dynamic per user, per session rotating encryption keys
- Rogue Access Point detection & notification
Proxim Wireless AP700

Connecting an external antenna to the AP700

1. External antenna connectors under the cover!

2. Pigtail
   - ref. 1086-PGTL
   - AXE# 266714
   - 50cm cable
   - N-type female connector
   - Converts from Proxim proprietary connector to N-type male

3. Proxim proprietary connector

   - Supports 2.4Ghz & 5Ghz (2.5dBi & 3.5dBi)
   - Connects directly to AP700 & AP4000

Specifications

- supports 802.11b & 802.11g
- 4 dBi gain (directional aim)
- 150cm cable N-type female connector
- delvers improved coverage in environments susceptible to multipath (warehouses...)

2.4Ghz Diversity antenna 4dBi
- ref. 1086-DA24-4
- AXE# 279238

Specifications

- supports 802.11b & 802.11g
- 5 dBi gain (omnidirectional)
- N-type female connector
- delvers extended coverage in a 360° pattern

2.4Ghz Omni antenna 5dBi
- ref. 1086-OA24-5
- AXE# 279239

Specifications

- supports 802.11b & 802.11g
- 6.5 dBi gain (directional)
- N-type female connector
- delvers focused coverage in a specific direction

2.4Ghz Panel antenna 9.5dBi
- ref. 1086-PA24-9.5
- AXE# 279241

Specifications

- supports 802.11b & 802.11g
- 9.5 dBi gain (directional)
- N-type female connector
- delvers focused coverage in a specific direction

5Ghz Panel antenna 7dBi
- ref. 1086-PA50-7
- AXE# 279242

Specifications

- supports 802.11a
- 7 dBi gain (directional)
- 150cm cable with N-type female connector
- delvers focused coverage in a specific direction

Powering the AP700

1) DC power supply, shipped with each AP700

OR

2) Power over Ethernet (PoE) = powering the Access point over the existing Cat5e (or higher) copper cable.

HOW

Connect to a Power Switch (i.e. HP xxxx-PWR) OR

Utilise PoE injector = Midspan solution

Unmanaged PowerDsine Midspan

1 port
- PD-3001/AC-ELR
- PD-3001/AC-UK

6 port
- PD-3006/ACM-ELR
- PD-3006/ACM-UK

12 port
- PD-3012/AC-ELR
- PD-3012/AC-UK

Managed* PowerDsine Midspan

6 port
- PD-6506/ACM-ELR
- PD-6506/ACM-UK

12 port
- PD-6512/ACM-ELR
- PD-6512/ACM-UK

24 port
- PD-6524/ACM-ELR
- PD-6524/ACM-UK

*Supported management functions include switching on and off of specific ports, setting Midspan parameters and monitoring Midspan activity. For example, a remote access point can be reset in case of failure by issuing a simple command.

2.4Ghz Panel antenna 8.5dBi
- ref. 1086-PA24-8.5
- AXE# 279240

Specifications

- supports 802.11b & 802.11g
- 5 dBi gain (directional)
- N-type female connector
- delivers focused coverage in a specific direction

5Ghz Panel antenna 7dBi
- ref. 1086-PASG-7
- AXE# 279242

Specifications

- supports 802.11a
- 7 dBi gain (directional)
- 150cm cable with N-type female connector
- delivers focused coverage in a specific direction