



**ATN-171RM-IP-KVM8**

**ATN-171RM-IP-KVM8 modular diagrams**

**ATN-171RM-IP-KVM8**

**17" rack-type telescopic modular LCD 8-Port 1U KVM computer switch**

**17" Rackmount 1U Modular LCD 8-Port KVM Drawer**

**▶ Data sheet**

This paragraph the telescopic rack-1U modular LCD KVM computer switch, allows you to be more efficient to manage computers in the control room and the server.

Four-in-one machine in a 1U high sliding drawers in a special, integrating 17" TFT-LCD screen, a 104-key English keyboard, The touchpad, and the intelligent 8 port (OSD) dual-interface KVM computer switch may be installed on a standard 19-inch Cabinet; modular design, Screen, keyboard, touchpad and computer switches are detachable, convenient installation and maintenance.

Extra provides a set of keyboard, mouse, USB port, easy to use. HDB-15 four-in-one integrated dedicated connection wire, supports dual Interface Combo-Free (PS/2&USB), you can choose to use PS/2 or USB interface; you can connect controls multiple computers and SI Server, allowing you to save a lot of equipment and space; centralized management and control, but also network management best practices for central control of multiple servers. Agency the mechanical arm design lets you use the installation easier and more convenient.





## ▶ Product features

17 "high-quality TFT-LCD screen (with multi-language OSD control adjust function):

- Support resolution of the screen:

-1280x1024.

-The color shown: 16.2M.

-The ratio of 700:1.

-The display brightness: 300cd/m<sup>2</sup>.

-A LCD dot pitch: 0.264x0.264mm.

-A Visual angle: 160/160 (Typ).

Use of life-the LCD: 50,000hrs.

Keyboard:

-built-in 105-key English keyboard (including contem, zhuyin printed character).

Mouse:

-touchpad (Touchpad).

Built-in 8-port intelligent OSD KVM switch-electronic computers dual interface:

-A port correctly simulating keyboard and mouse signals, and can be powered on simultaneously.

-A per-port models are able to automatically detect the screen and the mouse may cause the computer to set optimization.

- Support a maximum resolution up to: 2048x1536.

- Support hot insertion from installing any software or drivers.

-A through independent panel keys, keyboard hotkey or OSD control menu to switch the computer.

- Provide automatically scanning every port name, password, skip elections and cascade features such as expanded.

-The key with keyboard, mouse, signal reset function (Reset), you can solve the problem of keyboard, mouse, signaling does not properly. Firmware upgrades-the available ports to facilitate future updating firmware. Agency:

-A modular design, easy installation and maintenance.

- Durable steel plating.

-A meet EIA RS-310C 19 "Cabinet standards.

-The LCD screen cover after the power supply will automatically enter the screen powered, extend the life of the screen.

-The mechanical arm designed to be implemented, smoking and pull the rear of the switch stationary, wire is not easy to loose, configuration more concise.

HDB-15 four-in-one integrated dedicated connection wire, supports dual interfaces Combo-Free (PS/2&USB), PS/2

USB two kinds of connection interfaces, while consolidating on the private connection wires, you can choose to use PS/2 or USB interface.



## Product specifications

|   |  |  |
|---|--|--|
| Model   | <b>ATN-171RM-IP-KVM8</b>                                   |  |
| Models  | -Rack (1U/19 ") modular four-in-one machine                |  |
| Computer port number                            | <b>8</b>   |  |
| Control port number                             | <b>1</b>   |  |
| Computer port interfaces                        | Screen/keyboard/mouse                                      | Integrated <b>HDB-15 (Female)</b>                        |
| Control port 1 interface                        | Screen   | <b>17" TFT-LCD</b>                                       |
|   | Keyboard   | <b>105</b> English keyboard keys                         |
|   | Mouse  | The touchpad   |
| Control port 2 interface                        | Screen   | <b>HDB-15 ( Female )</b>                                 |
|   | Keyboard   | <b>6 pin mini-DIN ( Female ) , USB Type A ( Female )</b> |
|   | Mouse  | <b>6 pin mini-DIN ( Female ) , USB Type A ( Female )</b> |
| Firmware update port interface                  | <b>Mini USB ( Female )</b>                                 |  |
| Support platform                                | <b>Windows、Linux、Mac、Sun Micro System</b>                  |  |
| Button panel                                    | Double color light signal / independent press ( <b>8</b> ) |  |
| Toggle  | Button panel, keyboard hotkey , <b>OSD</b> control menu    |  |
| Depending on the control display ( <b>OSD</b> ) | Built-in ( intelligent machines )                          |  |
| Auto scan interval                              | <b>5 ~ 250</b> Seconds                                     |  |
| Screen resolution ( <b>Max.</b> )               | <b>1280x1024@75Hz</b>                                      |  |
| The power supply                                | <b>AC 100 ~ 240V, 50 ~ 60Hz, DC12V / 5A</b>                |  |
| Operating temperature range                     | <b>0° ~ 50°C</b>   |  |
| Storage temperature range                       | <b>-20° ~ 60°C</b>   |  |
| Operating humidity range                        | <b>10 ~ 90% RH</b>   |  |
| Material  | Metal shell ( black )                                      |  |
| Weight  | <b>16.20 kg</b>  |  |
| Dimensions ( <b>LxWxH</b> )                     | <b>700x450x44 mm</b>                                       |  |



## KVM over IP Module

### 1.1 Introduction

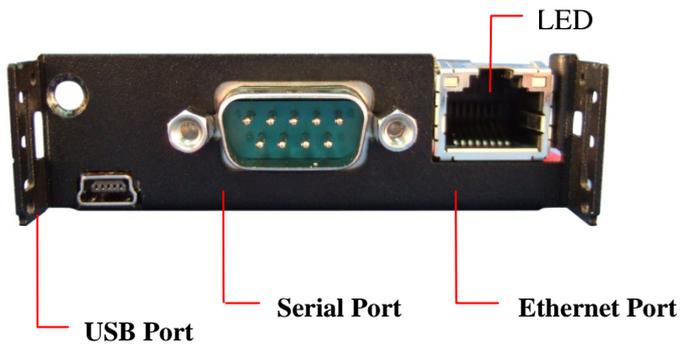
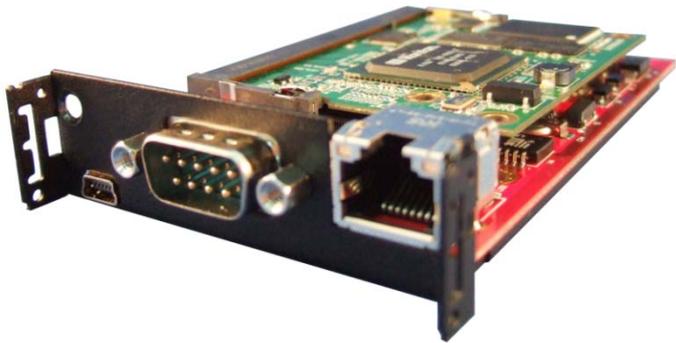
The KVM-over-IP (IP-KVM) redirects local keyboard, mouse and video data to a remote administration console. It allows you to control one or many computers locally at the server site or remotely via the Internet using a standard browser. You can securely gain BIOS level access to systems for maintenance, support, or failure recovery over the Internet. Communication is secure via SSL authentication and encryption. Use in conjunction with a KVM switch for multiple-server access.

The IP-KVM provides convenient, remote KVM access and control via LAN or Internet. It captures, digitizes, and compresses video signal and transmits it with keyboard and mouse signals to and from a remote computer. IP-KVM provides a non-intrusive solution for remote access and control. Remote access and control software runs on its embedded processors only but not on mission-critical servers, so that there is no interference with server operation or impact on network performance.

### 1.2 Main Feature

- Manage servers around the world
- Remote KVM (keyboard, video, and mouse) access over IP or analogous telephone line (modem needed)
- Full control under any OS, in BIOS level, during boot, or at Blue Screens
- No additional software necessary on client console side
- Remote power wakeup on the target computer
- Remote mass storage control and redirection
- Remote control over Java-enabled Browsers
- SSL Secure access through certificate authentication and data encryption
- SSL 256-bit encryption of all transmitted data
- RSA 1024-bit encryption
- Auto-optimize the frame rate and video quality according to the bandwidth availability
- Automatically senses video resolution for best possible screen capture
- High-performance mouse tracking and synchronization
- Interwork with most of KVM switches
- Firmware update via web interface

- **Product Views**



**LEDs on the Ethernet Connector:**

**Orange LED** -- 10BaseT Ethernet connection established

**Green LED** -- 100BaseT Ethernet connection established

**Blinking:** data in activity

**ON:** no data in activity and link connected