

E-LINK Gateway Controller 1000

Multifunction Gigabit Gateway Router and
Controller for Wireless Access points



OVERVIEW

EION E-Link Gateway Controller 1000 is a Gigabit Enterprise Gateway Router for any network and remotely manage multiple Wireless Access Points including E-Link Outdoor and Indoor APs, while maintaining network stability in an economic way. It supports load balancing, Ethernet backup and Ethernet superimposed, multi-ISP access; DHCP, policy routing and VPN, together with smart flow control, abundant security, varied user management and multiple authentication functions. It is consistent to provide high efficiency and professional network connectivity for hotels, schools, hospitals, shopping malls, airports. It provides complete cost-effective, reliable, and convenient wireless coverage solutions.

E-Link Gateway Controller 1000 supports both group and individual AP configurations. It auto detects wireless APs, centrally manages SSID passwords, modes, channels, RF power and coverage thresholds of the APs. It can also reboot, reset or upgrade firmware remotely, with additional maintenance functionalities. It has a built-in DHCP Server and can assign IP addresses for wireless APs automatically when the AP is online. It supports user management and password protection. Users of different levels can be assigned with different permission credentials.

E-Link Gateway Controller 1000 supports smart QoS based on ports, individual users, user groups and user applications. It allows bandwidth reservation and dispatch by tunnel or by application. Different service profiles can be defined for different users and applications. This is accomplished through multiple queuing mechanisms like priority queuing, low latency queuing, custom queuing, weighted queuing, congestion avoidance, traffic policing, traffic shaping and priority marking.

E-Link Gateway Controller 1000 supports multiple Gigabit WAN and multiple routing functions like PPPoE/DHCP/Static IP access; works with different ISPs and up to 1024 end users can have access.

E-Link Gateway Controller 1000 supports WAN Port VLAN, VPN dial up, DNS Proxy, IP address translation, user behavior management, which makes it a powerful performer in enterprise networks.

It has abundant security mechanisms including TCP/UDP/ICMP Flooding, IP/MAC/URL/Web/filtering functions, Ping of Death and other related threats. It extends protection to every port of the router and enables ports to provide DoS/DDoS attack protection, traffic monitoring, Uniform Resource Locator (URL) filtering, and application layer filtering.

ORDERING INFORMATION

9180-10-10-00 | E-LINK Gateway Controller 1000

PRODUCT FEATURES

- Enterprise Gateway Controller for Wireless Access Points
- Multiple solutions in one device: Integrated router, flow control, firewall, behavior management, VPN functions, AP controller, etc.
- Multiple Gigabit WAN and multiple routing functions
- 6 x Gigabit RJ45 ports on board
 - Default 2 Gigabit WAN Port
 - 4 Gigabit LAN Ports (3 ports self-adaptive)
- Group AP Configuration support
- Automatic discovery and configuration of all Wireless APs in FIT AP mode
- Intelligent channel analysis and load balancing
- Smart QoS to configure individual users, user groups and user applications.
- TCP/UDP/ICMP Flooding, IP/MAC/URL/Web filtering security mechanisms
- Multiple authentication features
- Works with the third-party Radius server for advertising and billing functions.
- Assigns IP address for Wireless APs
- Separate DHCP rule and firewall can be configured for each LAN
- 1 x Reset Button
- 1 x USB3.0 Port; 2 x USB2.0 Port
- Remote Maintenance, auto firmware upgrade

RADIO SPECIFICATIONS

Interface	6 x Gigabit Ethernet RJ45 ports
Network Extension	1 x PCIE extension support
Port	1 x RJ45 Serial port
Reset Button	Yes
LED Indicator	1 x Power Indicator (Green) 1 x Status Indicator (Orange)
Power Switch	1 x Power Switch
USB Port	1 x USB3.0 Port; 2 x USB2.0 Port
Watchdog Support	Yes

FIRMWARE SPECIFICATIONS

AP Management	<ul style="list-style-type: none"> • Access and manage up to 1024 users • Manage up to 1024 wireless Access Points • Centrally and remotely manage and configure wireless APs • View user's status
Smart Flow Control	<ul style="list-style-type: none"> • One click smart flow control • Powerful multiline diversion • Automatic Application Priority
Load Balance	<ul style="list-style-type: none"> • Network access to multiple WAN and multiple ISP • Intelligent and powerful load balancing • Ethernet line backup • Ethernet superimposed • Protocol binding • Policy routing: based on IP address, destination IP address, source MAC address, network port, domain, destination port, extranet port, Identity binding
Behavior Management	<ul style="list-style-type: none"> • All-round to block P2P firmware • P2P flow control and bandwidth allotment • File and URL filter • Continuous network behavior monitoring
Bandwidth limitation	<ul style="list-style-type: none"> • IP-based bandwidth limitation • Safeguard / Restrict bandwidth • Time strategy • IP based session restriction
Routing	Static routing

MANAGEMENT SPECIFICATIONS

Authentication	<ul style="list-style-type: none"> • PPPoE authentication • Radius authentication: works with third-party Radius Server • Portal authentication: WEB password authentication, One-time password authentication, SMS authentication, WeChat Authentication
Management	<ul style="list-style-type: none"> • Web/CLI/Telnet management • Remote management
Others	DDNS, VPN management

SECURITY SPECIFICATIONS

Security Center	<ul style="list-style-type: none"> • MAC address filtering • UPR/key words filtering • Web content filtering • IP address filtering • Port mapping • DMZ
Defense Center	<ul style="list-style-type: none"> • TCP/UDP/ICMP flood defense • Block TCP scanning • Block ping WAN port
ARP Detection	<ul style="list-style-type: none"> • Send GARP packets • ARP Scanning on WAN/LAN port • Online detection • IP-MAC binding

PHYSICAL, ELECTRICAL & ENVIRONMENTAL

Power Supply	110-240V, ~60-70Hz~,4.0A
Temperature Range	Operating: 0° C to +50° C Storage: -40° C to +70° C
Humidity	5% to 95% non-condensing
Certification	3C, RHOS
Unit Size	430(L)×480(W)×88(H)mm

BOX CONTENTS

Each Box Contains the following items	<ul style="list-style-type: none"> • E-LINK Controller 1000 • Power cable • Installation Accessory • Quick Start Guide
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