



## 10/100/1000 Gigabit Network Friendly Switching

Gigabit is easy with the powerful FriendlyNET GX6-2400W. Just plug in the network connections (10, 100 or 1000 Mbps) and you'll be up and running within minutes. The GX6-2400W switch automatically negotiates the best speed, duplex (full or half) and wiring (Auto-Uplink™) for optimal performance. All 24 ports RJ45 and 2 port of fiber optics are runtime swappable.

GX6-2400W perfectly suited for the corporate edge network, small business/enterprise, or workgroup network. Built around a very sophisticated single-chip architecture, the GX6-2400W delivers true non-blocking, wire-speed Gigabit performance on all ports and an aggregate 2000 Mbps of transport capability to deliver bulk data, multimedia, file transfer, image and video information in real-time.

The GX6-2400W gives you flexible choices of either copper cable or fiber optical cable on ports 23 and 24. Using SFP MiniGBIC modules you can connect the network to a fiber optical network backbone, or extend the transmission distance with the use of single-mode or multi-mode Gigabit fiber cables.

The Smart management feature taps into the GX6-2400W's on-board web configuration to enable high-end services, like trunking, mirroring, virtual LANs (VLANs) and quality of service (QoS). And It saves on your energy bill.

With SNMP-based features, it delivers the network service-ready straight out of the box. GX6-2400W is ideal for building up or extending your unmanaged or managed networks and securing end user's long term investment .

### ■ Superior Performance

- 40Gbps bandwidth non-blocking
- VLANtagging (IEEE802.1Q)
- Rate Limiting
- Storm Control
- Link Aggregation (IEEE 802.3ad)
- QoS (IEEE 802.1p/DSCP)
- Rapid Spanning Tree Protocol (IEEE802.1w)
- IGMP Snooping
- Flow Control (IEEE 802.3x)
- IEEE 802.1X with Radius Server
- Source IP Filtering

### ■ Simple

- True Plug and Play
- Auto MDI/MDI-X Detection
- Auto-UpLink Sense
- Effortless Installation
- RJ45 and SFP MiniGBIC connectors

### ■ Smart Management

- Green technology
- Web enabling access
- Port mirroring
- Performance Monitor
- VLAN control
- SNMP management
- Port Trunking
- QoS/DSCP for Traffic Prioritization
- 802.1X radius control(MD5 Encryption)
- Port Security - MAC Based Filtering

### ■ Safe Choice

- Best price performance SOHO/enterprise switch
- Simple and Manageable
- All runtime swappable
- Empower Gigabit performance
- Upgradeable firmware

## TECHNICAL SPECIFICATIONS

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### Interfaces

- 24 RJ-45 connectors for 10/100/1000BASE-T
- 2 Combo Ports with MiniGIBC/SFP Slots
- IEEE Auto Negotiation or manual configuration
- Reset button

### Status Indicators

- Power Operating status of the unit
- 2 LEDs for port link/activity, and 1000Mbps

### Performance Specifications

- Wire-speed, Gigabit Ethernet Switch at 1,488,100 packets/second
- Less than 20  $\mu$ s for 64-byte frames latency
- 4 Priority Queue with Weighted Round Robin(WRR)
- 8000 MAC address with auto-learning and aging
- Single-chip switch fabric non-blocking with on-board frame buffers
- 2Mbytes On-chip Buffer
- Jumbo Frame (9K)

### Management Specifications

- IEEE 802.1D Spanning Tree Protocol
- IEEE 802.1Q Tag VLAN
- Port-based VLAN (up to 24 groups)
- Port-based QoS (options High/Normal)
- Port Trunking LACP Aggregation
- Port setting
- Port Mirroring
- System Log
- RFC 1157 SNMP v1, v2c
- RFC 1643 Ethernet Interface MIB
- RFC1493 Bridge MIB
- Web-based (IE, Mozilla, MacOS-Safari)
- Password access control
- Upgradeable firmware

### Standards Compliance

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet
- IEEE 802.3x full-duplex flow control
- TCP/IP, CSMA/CA with ACK
- FCC Class A, CE Mark

### Physical

- Dimensions (WxDxH): 430 x 178 x 44 (mm), 16.9 x 7 x 1.7 (inch)
- Weight: 3.5 kg(7.72lbs)

### Environmental Specifications

- Power: Internal, auto-switching, 100 ~ 240 VAC, 50-60 Hz
- On Chip Green Energy Technology\*
- Operating Temperature: 0°C to 40°C (32°F to 104°F)
- Storage temperature: -20° to 70° C (-4° to 158°F)
- Relative Humidity: 10% to 90%, non-condensing
- Storage humidity: 95% maximum, non-condensing

### System Requirements

- Category 5, 6 Network cable
- Single Mode, Multimode fiber
- Window IE browser, Netscape, Mozilla, MacOS Safari.

### Modules

- Asante GBIC1000LH
- Asante GBIC1000SH
- Asante GBIC1000LX
- Asante GBIC1000SX

### Security

- 802.11x RADIUS Authentication
- Management Access Control

### Package Content

- 24-port Gigabit Smart Switch(GX6-2400W)
- Power cord
- Rack-mount kit
- Smart Switch CD
- Warrant/Support Information card

### Warranty

- Asante Lifetime Warranty+

### Asante Service

- Free 24x7 email contact, Mon-Fri on Call.

## ORDERING INFORMATION

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Model Name*	Description
GX6-2400W	Smart 24-port Gigabit Ethernet Switch

\* This warranty is exclusive and is limited to the original end user purchaser with the original warranty card only. This warranty shall not apply to secondhand products or to products that have been subjected to abuse, misuse, dropping, abnormal electrical or environmental conditions, lightning, water, or any condition other than what can be considered normal use.



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GX6-2400W (99-00824)

[asante.com/products/switches](http://asante.com/products/switches)

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