



## 3-slot Modularized Combo Gigabit Switch

**LevelOne's** GSW-2453 is a modularized managed switch that provides the ultimate reliable and flexible solutions for large workgroups or backbones. With its modularized design, the GSW-2453 is able to integrate different network scales. We offer outstanding flexibility by providing different modules, 8-port 1000T module, 8-port mini GBIC module and 4-port 1000T & 4-port mini GBIC combo module, to interoperate with your copper or fiber network and also to provide non-blocking, wire-speed switching performance for maximum throughput.

The GSW-2453 supports 9K Jumbo Frame packet sizes to reduce server overhead and increase throughput. The Store-and-forward switching architecture ensures that only whole packets with a good CRC are passed to the destination. The IEEE 802.3x Flow Control for full duplex mode, and back pressure flow control for half-duplex mode alleviates traffic congestion and ensures reliable data transmission. This switch is "Plug-&-Play". It does not require software configuration. Users can immediately use any of the features of this product simply by attaching the cables and turning on the power.

With its 1U height rack-mountable size, the switch can be easily managed in computer labs or server rooms. The clearly visible status LEDs provide easy monitoring of port link activity, speed, so that you are never in the dark when it comes to the status of your data transmissions.



GSW-2453

### Key Features

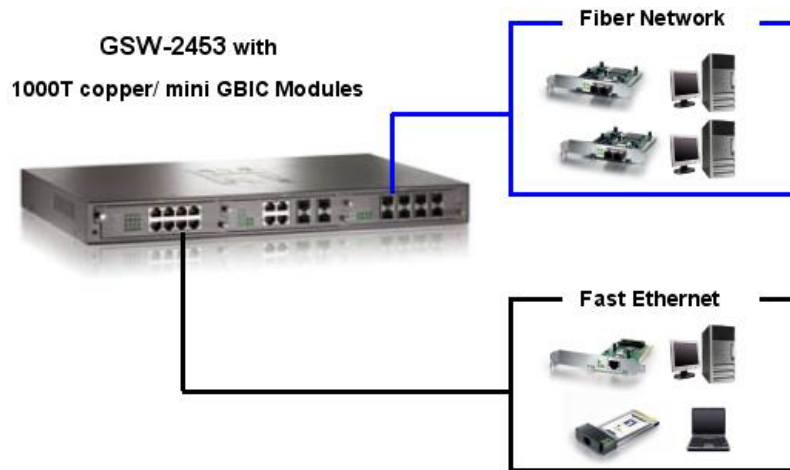
- 3 slots for flexible network integration
  - 8 ports 1000T module,
  - 8 ports mini GBIC modules
  - 4-port 1000T+4-port Mini GBIC module
- Complies with IEEE 802.3/u, 802.3ab, 802.3z
- Store-and-forward switching architecture
- 9 Kbytes Jumbo Frame packet
- 4-port 1000T+4-port Mini GBIC module
- Support IEEE802.1x flow control
  - Pause frame for 10/100/1000Mbps full duplex
  - Back-pressure for 10/100Mbps half duplex
- Plug-and-Play, nothing to configure
- "At-a-glance" LEDs for port and system status monitoring
- 19", 1U rack-mountable size



## Technical Specification

- **Standards Compliance**  
IEEE 802.3/ IEEE 802.3u  
IEEE 802.3z Gigabit SX/LX  
IEEE 802.3ab Gigabit 1000T  
IEEE 802.3x Flow Control and Back Pressure
- **Modules**  
MDU-2453T: 8-port 1000T module  
MDU-2453M: 8-port mini GBIC module  
MDU-2453TM: 4-port 1000T+4-port mini GBIC module
- **Protocol**  
CSMA/CD
- **MAC Address Table**  
4K entries with Auto learning function
- **Memory**  
Packet Buffer: 2Mbits
- **Transfer Rate**  
14,800 Packets per second for 10Mbps  
148,800 Packets per second for 100Mbps  
1,488,000 Packets per second for 1000Mbps
- **Network Cables**  
10Base-T: 2-pair UTP/STP Cat.3/4/5, Up to 100 m  
100Base-TX: 2-pair UTP/STP Cat. 5, Up to 100 m  
1000Base-T: 4-pair UTP/STP Cat.5, Up to 100 m
- **Switch Architecture**  
Store-and-Forward
- **Jumbo Frame**  
9K Bytes
- **LEDs**  
Per Device: Power  
Per RJ-45 port: Link/Activity (Green), Full duplex (Green)  
Per Mini GBIC slot: Link , Activity
- **Power Supply**  
Internal power supply: 100~240VAC, 50/60Hz
- **Power Consumption**  
51 Watts (max)
- **Ventilation**  
2 x DC cooling fans with auto detect function
- **Temperature**  
Operating: 0° C ~45° C (32° F ~ 113° F)
- **Humidity**  
Operating: 10% ~ 90% (Non-condensing)
- **Dimension**  
440mm(W) \* 280mm(D) \* 44mm(H)
- **EMI and Safety**  
FCC Class A, CE

## Product Diagram



## Ordering Information

- GSW-2453: 3-slot Modularised Combo Gigabit Switch
- MDU-2453T: 8-port 1000T module for GSW-2453
- MDU-2453M: 8-port Mini GBIC module for GSW-2453
- MDU-2453TM: 4-port 1000T + 4-port Mini GBIC module for GSW-2453
- GVT-0300: SFP Transceiver for mini GBIC (550m)
- GVT-0301: SFP Transceiver for mini GBIC (10km)
- GVT-0302: SFP Transceiver for mini GBIC (70km)