



SCOUT E100 Series

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Product Overview

COMMANDO Scout E100 Series switches are unmanaged plastic, Plug and Play switches. It is an economical way for SOHO to take advantage of Gigabit Ethernet speeds while reducing energy consumption and minimizing noise output. This series switches are available in 5 and 8 Fast and Gigabit Ethernet ports. Designed for operational simplicity to lower total cost of ownership, they enable scalable access layer home and small office operations.

COMMANDO Scout E100 Series switches can be quickly set up with plug and play with Zero Touch Provisioning with desktop enclosure. COMMANDO Scout E100 series unmanaged SOHO (Small Office/Home Office) Switches, are designed for Small Business Networks, unmanaged Switches empower your growing business with instant connectivity and reliable performance at a very affordable cost. All the RJ45 copper interfaces support 10/100Mbps & 10/100/1000Mbps Speed on all ports depending on models for high-speed network connectivity, auto-negotiation for optimal speed detection through RJ45 Category 5, 5e or 6 cables.

COMMANDO Scout E100 series switches can identify and determine the correct transmission speed and half/full duplex mode of the attached devices. It also supports standard auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover cables, Store-and-Forward forwarding scheme to ensure low latency and high data integrity.

Features and Benefits

Easy to Use

Auto-negotiation on each port senses the link speed of a network device (10, 100, or 1000 Mbps) and intelligently adjusts for compatibility and optimal performance. Its compact size makes it ideal for desktops with limited space. Dynamic LED lights provide real-time work status display and basic fault diagnosis. Easy Installation, Plug-and-play installation with no configuration required.

Fast Ethernet/ Gigabit Unmanaged SOHO Switch

Gigabit Ethernet Unmanaged Switch series offers a wide range of models for different network deployment requirements. These energy efficient switches are well built and rigorously tested to provide the reliability businesses need.

Product highlights

- Cost efficient 5 and 8 ports 10/100Mbps and 10/100/1000Mbps Ethernet switch models
- Supports Auto-Negotiation - It senses the link speed of a network device (either 10, 100, or 1000 Mbps) and intelligently adjusts for compatibility and optimal performance
- Supports Auto MDI/MDIX - It eliminates the need for crossover cables
- All ports capable of Gigabit Ethernet connections and provide full speed of data transmission with (Auto-Negotiation/Auto MDI/MDIX) model
- Plug and play with zero configuration installation
- Supports Store-and-forward Switching

- Supports MAC address auto-learning and auto-aging)
- Backplane Bandwidth: 1Gbps-16Gbps
- MAC address Table: 1K-4K
- MAC Address Auto-Learning and Auto-Aging
- All ports support jumbo frame transmission
- Plastic casing, compact, fanless with desktop and wall-mounting design
- Supports Power down Idle Ports - When a computer or network equipment is idle or off, the corresponding port of a traditional switch will continue to consume considerable amount of power. However, COMMANDO Scout E100 Series switches can automatically detect the link status of each port and reduce the power consumption of ports that are idle.
- Green Ethernet technology saving power up to 70%
- IEEE 802.3x flow control provides reliable data transfer
- Comes with One Year warranty

Technical Specifications

COMMANDO Scout E100 Series Switches support IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, IEEE 802.3z Gigabit Ethernet, IEEE 802.3x Flow Control, Energy Efficient Ethernet. Supports Auto-MDIX function, automatically identify straight forward cable and cross-over cable. Supports port auto-negotiation function (Automatically negotiate transmission rate and Duplex modes). Supports the Energy Efficient Ethernet (IEEE 802.3az) standard, which reduces energy consumption by monitoring the amount of traffic on an active link and putting the link into a sleep state during quiet/idle periods.

Table 1. Technical Specifications

Parameters	E100-5	E100-8	E100-5G	E100-8G
10/100/1000 Mbps BASE-T (Number of Ports)	10/100 (5)	10/100 (8)	10/100/1000 (5)	10/100/1000 (8)
Jumbo frame support	Yes	Yes	Yes	Yes
Forwarding modes	Store & Forward	Store & Forward	Store & Forward	Store & Forward
Acoustic Value	0 dB (A) Fanless	0 dB (A) Fanless	0 dB (A) Fanless	0 dB (A) Fanless
Switching Capacity	1Gbps	1.6Gbps	10 Gbps	16 Gbps
MAC Address Table	1k	1k	2k	4k

Hardware Specifications

Table 2. Hardware Specifications

Product Codes	Ports	LED's	FAN	Power Adapter rating (Volt, Amp)
E100-5	5	Activity	Fanless	5V DC 1A
E100-8	8	Activity	Fanless	5V DC 1A
E100-5G	5	Activity	Fanless	5-12V DC 1A
E100-8G	8	Activity	Fanless	5-12V DC 1A
Switching Capacity	1Gbps	1.6Gbps	10 Gbps	16 Gbps

Table 3. Hardware Parameters

Specification	Description
Flash	16Kbytes
Operation Temperature	0°C to 50°C
Storage Temperature	-40°C to 70°C
Operating Humidity (relative non-condensing)	10% to 90%
Storage Humidity (relative non-condensing)	5% to 90%
Input Power Supply	5V DC 1A (10/100Mbps models)5-12V DC 1A(10/100/1000Mbps models)
Enclosure Type	Desktop
Weight	<0.5Kg
LED Indicator	Link/Act
EEE Compliant (IEEE 802.3az)	Comply with “EEE” Energy Efficient Ethernet

Table 4. LED Indications

LED Indication	LED Status
Link/Act	Link/Act bi-color LED.OFF: Port disconnected or link fail.Green ON: 1000Mbps connected.Amber ON: 10/100Mbps connected.

Warranty and Support

COMMANDO Scout E100 Series Switches come with One-year replacement warranty and lifetime support.

Table 5. Warranty and Support

Warranty and Support	
Products covered	COMMANDO Scout E100 Series switches.
Warranty duration	One Year RTB (Return To Base) replacement warranty.
Hardware replacement	COMMANDO its resellers or its service center will use commercially reasonable efforts to replace the product subject to stock availability. Otherwise a replacement will be arranged within 15 working days after receipt of the Return Materials Authorization (RMA) request.
End-of-life policy	In case of discontinuation of the product support is limited to 3 years from announcement date.
Effective date	Hardware warranty commences from the date of shipment to customer (and in case of resale by a COMMANDO reseller not more than 90 days after original shipment by COMMANDO).
Support duration	Lifetime support
COMMANDO Care	COMMANDO will provide 24x7 support for basic configuration diagnosis and troubleshooting of device-level problems for up to one year from the date of shipment of the originally purchased product. This support does not include solution or network-level support beyond the specific device under consideration.
Online Portal Access	Warranty allows guest access to commandonetworks.com for all available technical queries.

Ordering Information

COMMANDO Scout E100 Series Switches are available in four different models - with following categories. SCOUT E100 Series Unmanaged Switches (4 Models) SCOUT E100 Gigabit Non-PoE Plastic SCOUT E100 Fast Non-PoE Plastic

Table 6. Ordering Information

Product Code	Description	Interfaces	Included
E100-5	COMMANDO Scout E100 5FE Unmanaged Switch	5 x 10/100Mbps ports	• 1x E100-5 Switch • 1x 5V DC 1A Adapter with Cable • 1x Quick Installation Guide (QIG)
E100-8	COMMANDO Scout E100 8FE Unmanaged Switch	8 x 10/100Mbps ports	• 1x E100-8 Switch • 1x 5V DC 1A Adapter with Cable • 1x Quick Installation Guide (QIG)
E100-5G	COMMANDO Scout E100 5GE Unmanaged Switch	5 x 10/100/1000Mbps ports	• 1x E100-5 Switch • 1x 5-12V DC 1A Adapter w/ Cable • 1x Quick Installation Guide (QIG)
E100-8G	COMMANDO Scout E100 8GE Unmanaged Switch	8 x 10/100/1000Mbps ports	• 1x E100-8 Switch • 1x 5-12V DC 1A Adapter w/ Cable • 1x Quick Installation Guide (QIG)

Document History

Table 7. Document History

Release	New or Revision	Described in	Date
Release 1	First Release	First Release	August 1 2020