



COMMANDO Scout E100 Series Unmanaged Switches

Data Sheet

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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.

It can be quickly set up with plug and play with Zero Touch Provisioning with desktop enclosure. It Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3x & IEEE 802.3ab standards. It has full wire speed of 1Gbps packets forwarding and filtering & also supports MAC address auto-learning and auto-aging. These 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 which provides you high-performance, seamless, low-cost and easy-to-use gigabit network, ideal for multimedia, graphics, HD video and other applications requiring transferring of data at high speeds.

It can identify and determine the correct transmission speed and half/full duplex mode of the attached devices 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. It also supports Auto-Negotiation, Auto-MDI/MDIX ports along with energy-conserving design, save up to 70% of the power. It has Non-blocking switching architecture. Fanless design ensures quiet operation without noise. Plug and Play design simplifies installation

Product Highlights

- High quality 5/8 Fast Ethernet ports 10/100Mbps models and 5/8 Gigabit Ethernet 10/100/1000Mbps switch models
- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3x & IEEE 802.3ab standards
- Supports Auto-Negotiation by auto sensing 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 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
- Supports Store-and-forward Switching
- Non-blocking switching architecture
- Supports MAC address auto-learning and auto-aging
- Backplane Bandwidth: 1Gbps-16Gbps
- MAC address Table: 1K-4K depending on model
- MAC Address Auto-Learning and Auto-Aging
- Surge Protection $\pm 2\text{kV}$
- All ports support jumbo frame transmission
- 5/8-Pin RJ45 Ethernet ports ensuring efficient data transfer
- Plastic casing, compact, fan-less 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%
- Fanless design ensures quiet operation without noise
- IEEE 802.3x flow control provides reliable data transfer
- Plug and Play design which simplifies installation
- Comes with Two Year warranty

Features and Benefits

Easy to Use

Plug & play with no configuring is required. Auto MDI/MDIX eliminates the need for crossover cables. auto-negotiation on each port detects the link speed of a network device 10/100/1000Mbps & intelligently adjusts for compatibility and optimal performance on each port. 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.

High Performance

It has non blocking switching architecture which forwards and filters packets at full wire-speed 1Gbps for maximum throughput. IEEE 802.3x flow control for full duplex mode and backpressure for Half Duplex mode offer increased bandwidth to alleviate network congestion, making the switch work reliably.

Auto MDI / MDIX Capabilities

Auto sensing/Auto 10/100 or 10/100/1000M ports with auto MDI / MDIX capabilities which also removes speed and duplex mismatches automatically as well as covers larger physical distance with copper pairs compared to other brands best switches.

Compact, Fan-less, Desktop/Wall-mount Design

Small form-factor, fan-less design for silent operation. Perfect for noise sensitive SOHO environments. It's plastic casing with Desktop as well as Wall-mounting design.

Cost Efficient

Scout E100 Series switches are most cost-efficient solution in 10/100M and 10/100/1000M speed switches. Packed with performance needed in modern day SOHO environment, these switches can serve on real time high-speed performance with DC input power which covers larger physical distance with copper pairs compared to other switches in its class. These switches are reliable, conforms to international open standard and highly aesthetic in SOHO setup.

Green Technology

It features the energy-efficient Ethernet that can save power. It automatically adjusts power consumption according to the link status to limit the carbon footprint of your network. It also complies with RoHS, prohibiting the use of certain hazardous materials. Besides, most of the packaging material can be recycled and reused.

Hardware

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 with non blocking switching architecture. Supported Auto-MDIX function, automatically identify straight forward cable and cross-over cable. Support port auto-negotiation function (Automatically negotiate transmission rate and Duplex modes). Support 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 periods.

Solid performance with non-blocking architecture

- All ports capable of Auto-Negotiation/Auto MDI/MDIX.
- Solid performance with non-blocking architecture, 1K-4K entries MAC Address Table.
- Maximum packet length 2048 bytes.
- 2-hash algorithm selection for L2 table searching/learning with Aging timer range from 0.2s to 1600000s.
- Switching Capacity: up to 16Gbps
- Store-and-forward Switching Scheme.

Physical Ports and Networking Interfaces

- Up to 5/8 x 10/100Mbps or 5/8 x 10/100/1000 Mbps RJ45 Ethernet Ports
- LED Indicators: Power, Link/Act.

Extra Long Operational life

- High Quality PCB Circuit Board and PCB Surface Treatment Using Gold Sinking Process.
- Support temperature range 0° C to 50° C
- Surge protection up to $\pm 1\text{KV}$ to designed to automatically protect Switches from surge events by limiting transient voltages and diverting surge currents.
- Long life electrolytic capacitance to increase the operational life of switches. RJ45 Gold plated with 3U thickness.

Green Energy and Silent operation

- Comply with IEEE 802.3az (Energy-Efficient Ethernet) standard, reduces power consumption up to 70% and silent operation to reduce the noise pollution. Energy Efficient Ethernet (EEE) on the RJ-45 ports and low-power operations for industry best-in-class power management

and power consumption capabilities. The ports support reduced power modes so that ports not in use can move into a lower power utilization state.

- Small form-factor, fan-less design for silent operation. Perfect for noise sensitive environments.

Ethernet Protocols

- Supports wide range of 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, 802.1p priority, IEEE 802.3az Energy Efficient Ethernet.

Specifications

COMMANDO Scout E100 series switches supports 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. Supported Auto-MDIX function, automatically identify straight forward cable and cross-over cable. Support port auto-negotiation function (Automatically negotiate transmission rate and Duplex modes). Support 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 periods.

Table 1. Hardware Specifications

Specification	Description
Flash	16KB
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 2. 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) Fan-less	0 dB (A) Fan-less	0 dB (A) Fan-less	0 dB (A) Fan-less

Switching Capacity	1Gbps	1.6Gbps	10 Gbps	16 Gbps
MAC Address Table	1K	1K	2K	4K

Table 3. Ports, LED, Fan & Power Adapter Specifications

Product Codes	Ports	LED's	FAN	Power Adapter rating (Volt, Amp)
E100-5	5	Activity	Fan-less	5V DC, 1A
E100-8	8	Activity	Fan-less	5V DC, 1A
E100-5G	5	Activity	Fan-less	5V DC, 1A
E100-8G	8	Activity	Fan-less	5V DC, 1A

Table 4. LED Indications

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

Included in the bundle/box

All COMMANDO E100 Scout Series Switches are made available for use globally along with accessories in the bundle to facilitate for enhance operations.

The switch box comes included with the following accessories:

- 1x COMMANDO Scout E100 Series Switch
- 1x Adapter with cable
- 1x Installation Guide

Warranty and Support

COMMANDO Scout E100 Series Switches come with replacement warranty and provided support according to COMMANDO WarrantyX Program available on:

www.commandonetworks.com/warranty

Ordering Information

Table 5 lists ordering information for the COMMANDO Scout E100 Series Unmanaged Switches. To place an order, please contact your local reseller/distributor or COMMANDO Sales Representative at www.commandonetworks.com/catalog

Table 5. Ordering Information

Product Code	Description
E100-5	COMMANDO Scout E100 5x100M, Unmanaged Switch
E100-8	COMMANDO Scout E100 8x100M, Unmanaged Switch
E100-5G	COMMANDO Scout E100 5x1GbE, Unmanaged Switch
E100-8G	COMMANDO Scout E100 8x1GbE, Unmanaged Switch

Can't Find the Right Switch? Explore Our Full Range of Unmanaged Switches

COMMANDO Scout E200 Series Unmanaged Switches

COMMANDO Scout E200 Series Unmanaged Switches deliver smart, plug-and-play performance with PoE/PoE+ (IEEE 802.3af/at) and up to 30W per port. Extend power and data up to 250 meters with AI 250M mode — ideal for remote cameras and outdoor APs. Features include AI PoE auto-heal for zero-touch device recovery, AI VLAN for automatic port isolation, and AI Broadcast Storm Suppression to keep networks stable. No configuration needed — just connect and go.

Product Code	Description
E200-4P-2F	COMMANDO Scout E200 4x100M PoE/PoE+, 2x100M Uplinks, 65W, Unmanaged AI Switch
E200-8P-2F	COMMANDO Scout E200 8x100M PoE/PoE+, 2x100M Uplinks, 96W, Unmanaged AI Switch
E200-8P-2G	COMMANDO Scout E200 8x100M PoE/PoE+, 2x1GbE Uplinks, 96W, Unmanaged AI Switch
E200-16P-3CF	COMMANDO Scout E200 16x100M PoE/PoE+, 2x1GbE+1G SFP Uplinks, 200W, Unmanaged AI Switch
E200-24P-2SFP	COMMANDO Scout E200 24x100M PoE/PoE+, 2x1G SFP Uplinks, 300W, Unmanaged AI Switch
E200-4GP-2SFP	COMMANDO Scout E200 4x1GbE PoE/PoE+, 2x1G SFP Uplinks, 65W, Unmanaged AI Switch
E200-4GP-2G	COMMANDO Scout E200 4x1GbE PoE/PoE+, 2x1G SFP Uplinks, 65W, Unmanaged AI Switch
E200-8GP-2SFP	COMMANDO Scout E200 8x1GbE PoE/PoE+, 2x1G SFP Uplinks, 96W, Unmanaged AI Switch
E200-8GP-2G	COMMANDO Scout E200 8x1GbE PoE/PoE+, 2x1GbE Uplinks, 96W, Unmanaged AI Switch
E200-8GP-4CF	COMMANDO Scout E200 8x1GbE PoE/PoE+, 2x1GbE+2x1G SFP Uplinks, 96W, Unmanaged AI Switch
E200-16GP-3CF	COMMANDO Scout E200 16x1GbE PoE/PoE+, 2x1GbE+1x1G SFP Uplinks, 200W, Unmanaged AI Switch
E200-24GP-2SFP	COMMANDO Scout E200 24x1GbE PoE/PoE+, 2x1G SFP Uplinks, 300W, Unmanaged AI Switch

E200-4GP-2CF	COMMANDO Scout E200 4x1GbE PoE+, 1x1G SFP+1x1GbE Uplinks, 65W, Unmanaged AI Switch
E200-24P-2G	COMMANDO Scout E200 24x100M PoE/PoE+, 2x1GbE Uplinks, 300W, Unmanaged AI Switch
E200-24GP-2G	COMMANDO Scout E200 24x1GbE PoE/PoE+, 2x1GbE Uplinks, 300W, Unmanaged AI Switch
E200-16GP-2SFP	COMMANDO Scout E200 16x1GbE PoE/PoE+, 2x1G SFP Uplinks, 200W, Unmanaged AI Switch

COMMANDO Scout E300 Series Unmanaged Switches

COMMANDO Scout E300 Series Unmanaged Switches consists of PoE/PoE+ power that complies IEEE 802.3af/at and supplies 15.4W/30W of power per port. Scout E300 Switches are designed with performance and cost efficiency priority. It comes with one of the highest power budgets. Switch also removes speed and duplex mismatches automatically as well as covers larger physical distance with copper cables.

Product Code	Description
E300-5	COMMANDO Scout E300 5x100M, Unmanaged Switch
E300-8	COMMANDO Scout E300 8x100M, Unmanaged Switch
E300-5G	COMMANDO Scout E300 5x1GbE, Unmanaged Switch
E300-16	COMMANDO Scout E300 16x100M, Unmanaged Switch
E300-24	COMMANDO Scout E300 24x100M, Unmanaged Switch
E300-16D	COMMANDO Scout E300 16x100M, Desktop, Unmanaged Switch
E300-24D	COMMANDO Scout E300 24x100M, Desktop, Unmanaged Switch
E300-8G	COMMANDO Scout E300 8x1GbE, Unmanaged Switch
E300-16G	COMMANDO Scout E300 16x1GbE, Unmanaged Switch
E300-24G	COMMANDO Scout E300 24x1GbE, Unmanaged Switch

E300-4P-2F	COMMANDO Scout E300 4x100M Full PoE/PoE+, 2x100M Uplinks, 65W, Unmanaged Switch
E300-8P-2F	COMMANDO Scout E300 8x100M Full PoE/PoE+, 2x100M Uplinks, 130W, Unmanaged Switch
E300-8P-2F-24V	COMMANDO Scout E300 8x100M 24V Full PoE, 2x100M Uplinks, 96W, Unmanaged Switch
E300-8P-2G	COMMANDO Scout E300 8x100M Full PoE/PoE+, 2x1GbE Uplinks, 130W, Unmanaged Switch
E300-4GP-2G	COMMANDO Scout E300 4x1GbE Full PoE/PoE+, 2x1GbE Uplinks, 65W, Unmanaged Switch
E300-4GP-2SFP	COMMANDO Scout E300 4x1GbE Full PoE/PoE+, 2x1G SFP Uplinks, 65W, Unmanaged Switch
E300-8GP-2G	COMMANDO Scout E300 8x1GbE Full PoE/PoE+, 2x1GbE Uplinks, 130W, Unmanaged Switch
E300-8GP-2SFP	COMMANDO Scout E300 8x1GbE Full PoE/PoE+, 2x1G SFP Uplinks, 130W, Unmanaged Switch
E300-4GP-2M	COMMANDO Scout E300 4x1GbE Full PoE/PoE+, 2x1/2.5G SFP Uplinks, 65W, Multi-Gig Unmanaged Switch
E300-8GP-2M	COMMANDO Scout E300 8x1GbE Full PoE/PoE+, 2x1/2.5G SFP Uplinks, 130W, Multi-Gig Unmanaged Switch
E300-4GP-2MG	COMMANDO Scout E300 4x1GbE Full PoE/PoE+, 2x1/2.5GbE Uplinks, 65W, Multi-Gig Unmanaged Switch
E300-8GP-2MG	COMMANDO Scout E300 8x1GbE Full PoE/PoE+, 2x1/2.5GbE Uplinks, 130W, Multi-Gig Unmanaged Switch

COMMANDO Scout E1000 Series Unmanaged Switches

COMMANDO Scout E1000 Series Unmanaged Switches consists of high power PoE/PoE+ switches models to provide power on all ports. It can provide power and connectivity to Wireless AP, Bridges, IoT etc. Automatically adjust the PoE/PoE+ power for connected PoE devices based on the cable length and supports up to 250m of copper cable length. Scout E1000 is designed with performance and cost efficiency priority.

Product Code	Description
E1000-16P-4CF	COMMANDO Scout E1000 16x100M Full PoE/PoE+, 2x1GbE/2x1G SFP Combo Uplinks, 260W, Unmanaged Switch
E1000-24P-4CF	COMMANDO Scout E1000 24x100M Full PoE/PoE+, 2x1GbE/2x1G SFP Combo Uplinks, 450W, Unmanaged Switch
E1000-8GP-4CF	COMMANDO Scout E1000 8x1GbE Full PoE/PoE+, 2x1GbE+2x1G SFP Uplinks, 150W, Unmanaged Switch
E1000-16GP-4CF	COMMANDO Scout E1000 16x1GbE Full PoE/PoE+, 2x1GbE+2x1G SFP Uplinks, 260W, Unmanaged Switch
E1000-24GP-4CF	COMMANDO Scout E1000 24x1GbE Full PoE/PoE+, 2x1GbE+2x1G SFP Uplinks, 450W, Unmanaged Switch
E1000-8X	COMMANDO Scout E1000 8x10G SFP+, Unmanaged Fiber Switch
E1000-8SFP-2G	COMMANDO Scout E1000 8x1G SFP, 2x1GbE Uplinks, Unmanaged Fiber Switch

COMMANDO Scout IE1000 Series Industrial Unmanaged Switches

COMMANDO Scout IE1000 Series Industrial Unmanaged Switches consists of high power PoE/PoE+ switches which support temperature range -40° C to 75° C. and complies IEEE 802.3af/at and supplies 15.4W/30W of power per port. This Switch also removes speed and duplex mismatches automatically as well as covers larger physical distance up to 250m with copper cables.

Product Code	Description
IE1000-4GP-2SFP	COMMANDO Scout IE1000 4x1GbE Full PoE+, 2x1G SFP Uplinks, Unmanaged Industrial Switch
IE1000-8GP-2SFP	COMMANDO Scout IE1000 8x1GbE Full PoE+, 2x1G SFP Uplinks, Unmanaged Industrial Switch

COMMANDO Scout E1100 Series Multi-Gig Unmanaged Switches

COMMANDO Scout E1100 Series Multi-GigE Unmanaged Switches support AI VLAN, AI QoS, AI PoE to meet requirement in surveillance and IOT networks with Ultra-low latency and port-based QoS prioritization for uninterrupted reliable and lightning-fast connections to Wi-Fi 6 access points, storage servers, and other core and distribution switches with 10G fiber uplinks. It is a suitably best choice switch for Enterprise, Telecom, ISP, Industrial, Campus, Retail and Hospitality, Security and Surveillance, IoT, Cloud, Metro, SMBs and gaming networks. One of more differentiating factor of E1100 Series Switches are it's 2X uplinks, while many major brands offer 1x 10G SFP+ Uplinks, COMMANDO Scout E1100 Series offer 2x 10G SFP+ uplinks in most models.

Product Code	Description
E1100-5M-2X	COMMANDO Scout E1100 5x2.5GbE, 2x10G SFP+ Uplinks, Multi-Gig Unmanaged Switch
E1100-8M-2X	COMMANDO Scout E1100 8x2.5GbE, 2x10G SFP+ Uplinks, Multi-Gig Unmanaged Switch
E1100-8M-2XG	COMMANDO Scout E1100 8x2.5GbE, 2x10GbE Uplinks, Multi-Gig Unmanaged Switch
E1100-16M	COMMANDO Scout E1100 16x2.5GbE Multi-Gig Unmanaged Switch
E1100-5MP-2X	COMMANDO Scout E1100 5x2.5GbE Full PoE/PoE+, 2x10G SFP+ Uplinks, 75W, Multi-Gig Unmanaged Switch
E1100-8MP-2X	COMMANDO Scout E1100 8x2.5GbE Full PoE/PoE+, 2x10G SFP+ Uplinks, 150W, Multi-Gig Unmanaged Switch
E1100-8MP-2XG	COMMANDO Scout E1100 8x2.5GbE Full PoE/PoE+, 2x10GbE Uplinks, 150W, Multi-Gig Unmanaged Switch
E1100-16MP	COMMANDO Scout E1100 16x2.5GbE Full PoE/PoE+, 290W, Multi-Gig Unmanaged Switch

Document History

Release	What's new	Date
Release 1	New Launch	January 4, 2021
Release 2	Model adjustment	June 8, 2022
Release 3	Information update	September 18, 2023
Release 4	More products added	April 6, 2026