COMMANDO Scout E1100 Series Unmanaged Multi-Gig Switches Data Sheet

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Product Overview

COMMANDO Scout E1100 Series Unmanaged Multi-Gig Switches are ideal for small to large-sized businesses, Internet cafes, hotels, schools, and suitable for surveillance. They are easy to install and maintain and provide rich services, helping customers build secure, reliable, and high-performance networks with various functions like VLAN, Extend, QoS & PoE with Link pass though function which prevents data loss in case of link failure. It is an economical way to take advantage of high performance fiber/copper 10G/1G or 10GE/1GE ports which helps it to meet the requirement of High end campus LAN, Metro/Enterprise networks. Each switch is capable to deliver 15.4W PoE, 30W PoE+ power on all ports as well as PoE/PoE+ with power budget up to 290W capability while reducing energy consumption and minimizing noise. This Series switches are available in PoE as well as non PoE with 5, 8 & 16 Multi-Gig Ethernet ports with fixed 2.5GE copper and 10GbE or 10G Fiber Uplinks having enclosure type desktop, rack/wall mountable-1U depending on switch model. Designed for operational simplicity to lower total cost of ownership, they enable scalable access layer office and home operations.

It can be quickly set up with plug and play with Zero Touch Provisioning. This Unmanaged Multi-Gig Switches empower your growing business instant flexibility with copper as well as fiber ports connectivity along with PoE/PoE+ reliable performance at a very affordable cost. This switch provides high-speed network connectivity, auto-negotiation for optimal speed detection through RJ45 Category 5, 5e or 6 cables and supports up to 250m cable distance.

It 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.

It supports Energy Efficient Ethernet (EEE), which enables the switch to enter a power-saving mode when traffic is light. Switches can smartly automatically adjust the PoE/PoE+ power output for transmissions based on the cable length for PoE/PoE+ devices connected. It can also set any ports that are not transmitting traffic to sleep mode.

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Product Highlights

- Supports Extend Mode designed for monitoring application scenarios, 1-8 supports 250M distance PoE power supply.
- 5 to 16 x 10/100/1000/2500Mbps Ethernet Ports PoE or Non PoE models along with fixed 10G fiber/ 10GbE copper Uplinks
- Support fixed uplinks having capacity 10G/1G or 10GE/1GE ports to meet requirement in surveillance and IOT networks which cover up to 120Km with fiber connectivity of SFP+/SFP of 10G/1G modules and also supports 10GE/1GE copper modules.
- Power over Ethernet (PoE) / Power over Ethernet plus (PoE+) models to provide power on all ports to IEEE 802.3af and IEEE 802.3at (15.4W, 30W) capable devices including Wireless AP, Bridges, IoT etc. according to the power budget Up to 290W along with backward compatibility.
- All ports have PoE/PoE+ capability and 30W Max Per port.
- PD detection will automatically detect and provide required power for your PoE/PoE+ devices.
- Adjustment technology with maintenance redundancy and help to build a green and energy saving switches.
- Automatically adjust the PoE/PoE+ power for connected PoE devices based on the cable length and supports up to 250m of cable length.
- MAC address Table: 8k entries
- Backplane Bandwidth: 60Gbps to 80 Gbps
- MAC Address Auto-Learning and Auto-Aging
- Easy Installation, Plug-and-play installation with no configuration required
- Support Store-and-forward Switching
- Enclosure Type Desktop, Rack/Wall mountable - 1U.
- Surge protection ±4 kV

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- All ports support jumbo frame of size 10000 bytes transmission.
- All 5 to 16 ports support auto-negotiation and auto MDI/MDIX.
- All ports capable of Gigabit Ethernet connections and provide full speed of data transferring with (Auto-Negotiation/Auto MDI/MDIX) model based.
- Plug and Play design simplifies installation with self-adaption.
- Energy-Saving by Energy Efficient Ethernet (EEE), which enables the switch to enter a power-saving mode when traffic is light.
- With Zero Touch Provisioning: Plug and play and no setup.
- Affordable, Easy-to-Use Switches for Small Business Networks, with Zero Configuration Required
- Comes with one-year default warranty – optionally extendable up to 3 years.

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Features and Benefits

Longer Distance Coverage

State of art quality switches that can serve real time high-speed performance which covers longer physical distance up to 250 meters with copper pairs compared to other brands.

LFP (Link Fault Pass-through) function

It is built-in monitoring feature for easily tracing the network link failure. LFP function can enhance the integrity and conformity of the Fiber linking to improve the maintainability of the network.

Multi-Gig Ports (2.5G)

Multi-Gig ports, ensures superior performance for bandwidth-intensive applications and modern networking demands. These ports provide flexibility to connect devices such as high-speed Wi-Fi access points, IoT devices, and workstations that require faster data transfer speeds beyond traditional Gigabit Ethernet. By supporting up to 2.5Gbps, these ports future-proof your network infrastructure with backward compatibility 10/100/1000/2500Mbps devices. This capability significantly enhances the efficiency of data transmission, reduces latency, and alleviates congestion in high-density environments. 2.5G Multi-Gig ports are designed to eliminate bottlenecks caused by increasing traffic loads, ensuring seamless connectivity and improved user experiences.

10G Uplinks

10G/10GbE copper/fiber Uplink supports high speed networking requirement and reduces copper cabling investment and improves network backbone. It supports high-speed access to the network backbone or data center environment. This provides great resiliency, relieves congestion associated with bandwidth-intensive applications, and guarantees smooth hassle-free data transmission.

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Compact Design with Flexibility of additional ports

The switches provide additional deployment flexibility, fiber connectivity for easy expansion of your networks up to 120Km with fiber connectivity. So, you can directly connect to a high-performance storage server or deploy a long-distance uplink to another switch.

Easy to Use

COMMANDO Scout E1100 Series Switches are easy to use and manage. All switches are Plug-and-Play devices that requires zero configuration, so setup is simple and hassle-free. Auto MDI/MDI-X crossover on all ports eliminate the need for crossover cables or uplink ports. Auto-Negotiation on each port senses the link speed of a network device (either 10, 100, 1000 or 2500) and smartly adjusts for compatibility and optimal performance. Its compact size makes it ideal for desktops as well as rackmount with limited space. Dynamic LED lights provide real-time work status display and basic fault diagnosis.

PoE/PoE+ Capabilities

Scout E1100 Series Unmanaged Multi-Gig Switches are high power switches and support up to 290W (PoE/PoE+) Power Budget. This Series switches smartly adjust IEEE802.3af / IEEE802.3at PoE/PoE+ (up to 30 Watts per port). All ports in PoE/PoE+ capable switch allows Power-over-Ethernet (PoE /PoE+) to connect and power PoE/PoE+ capable cameras, Wireless access points, VoIP phones, IoT and all PoE/PoE+ capable devices using just Ethernet cabling.

Auto MDIX Capabilities

Auto sensing/Auto PoE/PoE+ 10/100/1000/2500 ports with auto 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 and Silent Performance

COMMANDO Scout E1100 Series Switches are Small form-factor, compact PoE/PoE+

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switch operates quietly, making it ideal for use in virtually any room or office. Perfect for noise sensitive environments. Fan based Switches have Temperature and load based fan speed control combines accurate monitoring with minimized system acoustic noise. The Fan based switches also feature built-in smart fans that monitor and detect temperature changes, adjusting the fan speed for maximum efficiency. At lower temperatures, the fans run at a lower speed, reducing both the power consumption and noise output of the switch.

Compact design with flexibility of additional ports

It Provides additional deployment flexibility, fiber connectivity with separate extra flexible ports or combo ports options for easy expansion of your networks. So, you can directly connect to a high-performance storage server or deploy a long-distance uplink to another switch.

Support uninterrupted critical network infrastructure

It has AC input power which protect from power surges through their inline power supply automatically and have in build Surge protection of ±4KV. With this feature protect on cost and the impact to your business by losing these network devices and thus the users/servers connected to them.

Auto MDIX Capabilities

Auto sensing/Auto PoE/PoE+ 10/100/1000/2500Mbps ports with auto 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.

Cost Efficient

State of art quality product that can serve on real time high-speed Performance with AC input power which covers larger physical distance with copper pairs compared to other brands best switches and are highly reliable, conformance to international open standards, durable, serviceable, aesthetics, perceived quality, enhanced performance with larger range with copper cables up to 250m and usability leads to value to money.

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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 that most of the packaging material can be recycled and reused.

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Hardware

COMMANDO Scout E1100 Series Unmanaged Multi-Gig 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 802.3ae 10GEBASE-T, IEEE 802.3ak 10GBASE-X, IEEE 802.3x Flow Control, IEEE 802.3af/at. 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

- CPU Dual Core having frequency 500 MHz along with packet Buffer memory of 1.5 MB.
- All ports capable of Multi Gigabit Ethernet speed. Full speed of data transferring with (Auto-Negotiation/Auto MDI/MDIX).
- Solid performance with non-blocking architecture, 8K MAC Address Table with 4-way hashing algorithm.
- Supports Jumbo frames having maximum packet length up to 10000 bytes.
- 2-hash algorithm selection for L2 table searching/learning with Aging timer range from 0.2s to 1600000s.
- Switching Capacity: up to 80 Gbps
- Forwarding Capacity: Up to 59.52Mpps
- Store-and-forward Switching Scheme.

Physical Ports and Networking Interfaces

- Up to 16 10/100/1000/2500 Mbps Rj45 Ethernet Ports or SFP+ ports models with 10G or 1G Fiber/ 10GE or 1GE Copper Uplinks.
- LED Indicators: Power, Link/Act, PoE Max.

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IEEE 802.3af/at Compliant Power over Ethernet

- Various PoE power budget options like 75W, 150W, and 290W with 30W Max Per port (PoE/PoE+). POE power supply transmission is more reliable due to design of robust network transformer which uses high current. All PoE/PoE+ ports are IEEE 802.3af-compliant PoE, IEEE802.3at-compliant PoE+. Each port delivers 15.4 W PoE, 30 W PoE+ power. PD detection will automatically detect and provide required power for your PoE/PoE+ devices.

Extra Long operational life

- High Quality PCB Circuit Board and PCB Surface Treatment Using Gold Sinking Process.
- Support temperature range 0° C to 55° C
- Surge protection up to ±4KV to design 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.
- Rack and Wall mount design that enables to mounts in an EIA Standard 19-inch telco rack or equipment cabinet along with Rack-mounting kit available with device. Which enables horizontal surface mounting, wall mounting and also having durable robust metal body.

Green Energy and Noise-free Operation

- Comply with IEEE 802.3az (Energy-Efficient Ethernet) standard, reduces power consumption up to 58% and 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.
- Automatic Temperature Controlled Fans using Temperature Sensor. Small form-factor, fan-less as well fan design for silent operation. Perfect for noise sensitive environments.

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- Temperature Control Fan to optimize cooling and noise with bilateral heat dissipation.

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 802.3ae 10GEBASE-T, IEEE 802.3ak 10GBASE-X, IEEE 802.3x Flow Control, 802.1p priority, Energy Efficient Ethernet, IEEE802.3af, Power over Ethernet, IEEE802.3at, Power over Ethernet plus.

Enterprise High reliability design and high quality product

- Very high Quality as for all Mean Time Before Failure of system, MTBF >2,00,000 hours
- Stability: 64-bit packet, time delay < 10us, packet loss rate: 0
- Restorability of Network shaking or device breakdown, restart(recovery) time < 60sec.
- RoHS Compliant with most of the packaging material can be recycled and reused.

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Specifications

The COMMANDO Scout E1100 Series Smart Switches are designed to support a wide array of Ethernet standards, including IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, IEEE 802.3z Gigabit Ethernet, IEEE 802.3ae 10GBASE-T, and IEEE 802.3ak 10GBASE-X, ensuring compatibility with diverse network environments. These switches also comply with IEEE 802.3x Flow Control for efficient traffic management and IEEE 802.3af/at for Power over Ethernet (PoE), enabling reliable power delivery to connected devices. The Auto-MDIX feature automatically detects and adapts to straight-through or crossover cables, while auto-negotiation dynamically adjusts transmission rates and duplex modes to optimize link performance. Energy efficiency is achieved through IEEE 802.3az (Energy Efficient Ethernet), which reduces power consumption by enabling Low Power Idle (LPI) mode during periods of low link utilization. The switch supports an 8K-entry 4-way hash Layer 2 (L2) table for MAC address learning and searching, utilizing two hash algorithms for enhanced efficiency. Although IVL (Independent VLAN Learning), SVL (Shared VLAN Learning), and IVL/SVL configurations are no longer supported, the switch includes a per-port L2 storm control mechanism to suppress Unknown Unicast, Unknown Multicast, and Broadcast Storms, ensuring stable network performance. Loop protection is integrated to detect and disable ports causing network loops, preventing broadcast storms, while SFP/SFP+ fiber uplinks provide extended connectivity of up to 80km using 10G fiber links.

IEEE 802.3x full-duplex flow control is implemented to manage traffic congestion effectively. When a port's receive buffer exceeds the configured pause threshold, a pause frame is transmitted to instruct the link partner to temporarily halt data transmission; once the buffer level falls below the threshold, a resume frame restores normal operation. Auto MDI/MDI-X functionality ensures seamless connectivity across all MultiGigabit ports (10/100/1000/2500Mbps) by automatically adjusting to cable types. The EEE operational mode supports IEEE 802.3 MAC operation at 1000Mbps

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and interoperates seamlessly with legacy 10Base-T PHYs over Class-D (Category 5) or better cabling for 100Mbps operation. Green Ethernet features, such as IEEE 802.3az compliance, contribute to significant energy savings, making the switch environmentally friendly and cost-efficient. With PoE power budgets of up to 290W, the switch ensures reliable power delivery to connected devices, making it suitable for modern, high-performance networks that demand both efficiency and reliability.

Table 1. Technical Specifications

E1100 Switch Parameter	Specification
Flash (KB)	16Kbytes
Packet Buffer Memory	Up to 1.5 MB
Switching Method	Store and Forward
Switching Capacity	65Gbps to 80Gbps
MAC Address Table Size	Up to 8k entries depending on Model
Maximum packet length	10000byte
Operation Temperature	0° to 55°C
Storage Temperature	-20° to 70°C
Operation Humidity (relative, noncondensing)	10% to 90%
Storage humidity (relative, noncondensing)	5% to 90%
Input Power Supply	AC input power AC: 100~240V 50/60Hz or AC: 180~240V 50/60Hz Depending on models

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LED Indicator	Link/Act, PoE, Power, Status
Energy Saving	Comply with “EEE” Energy Efficient Ethernet (IEEE 802.3az)
Surge protection (kV)	±4 kV
Rack-mountable	Desktop, Rack/Wall mountable depending on model
Fan (Number)	Fan-less depending on model

Table 2. Hardware Specification Enclosure, and Power Budget

PRODUCT CODE	Enclosure Type	Power Budget (Watts)
E1100-5M-2X	Desktop	24W
E1100-8M-2X	Desktop	24W
E1100-8M-2XG	Desktop	24W
E1100-16M	Rack/Wall mountable	24W
E1100-5MP-2X	Desktop	75W
E1100-8MP-2X	Desktop	150W
E1100-8MP-2XG	Desktop	150W
E1100-16MP	Rack/Wall mountable	290W

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Table 3. Hardware Interface Specification

Product Code	Ports	Main Interface	Uplink Interfaces
E1100-5M-2X	• 5 x 10/100/1000/2500Mbps Ethernet ports • 2 x 10G SFP+ Uplink ports	5x2.5G	2SFP+
E1100-8M-2X	• 8 x 10/100/1000/2500Mbps Ethernet ports • 2 x 10G SFP+ Uplink ports	8x2.5G	2SFP+
E1100-8M-2XG	• 8 x 10/100/1000/2500Mbps Ethernet ports • 2 x 10/100/1000/10000Mbps Ethernet Uplink ports	8x2.5G	2x10GbE
E1100-16M	• 16 x 10/100/1000/2500Mbps Ethernet ports	16x2.5G	-
E1100-5MP-2X	• 5 x 10/100/1000/2500Mbps Ethernet Full PoE/PoE+ ports • 2 x 10G SFP+ Uplink ports	5x2.5G	2SFP+
E1100-8MP-2X	• 8 x 10/100/1000/2500Mbps Ethernet Full PoE/PoE+ ports • 2 x 10G SFP+ Uplink ports	8x2.5G	2SFP+
E1100-8MP-2XG	• 8 x 10/100/1000/2500Mbps Ethernet Full PoE/PoE+ ports • 2 x 10/100/1000/10000Mbps	8x2.5G	2x10GbE

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	Ethernet Uplink ports	
E1100-16MP	• 16 x 10/100/1000/2500Mbps Ethernet Full PoE/PoE+ ports	16x2.5G

Table 4. Power Specifications

PRODUCT CODE	Max no. of PoE+ (IEEE 802.3at) Ports	Max no. of PoE (IEEE 802.3af) Ports	Power Supply
E1100-5M-2X	-	-	AC: 100~240V 50/60Hz
E1100-8M-2X	-	-	AC: 100~240V 50/60Hz
E1100-8M-2XG	-	-	AC: 100~240V 50/60Hz
E1100-16M	-	-	AC: 100~240V 50/60Hz
E1100-5MP-2X	2 ports up to 30W	8 ports up to 15.4W	AC: 180~240V 50/60Hz
E1100-8MP-2X	4 ports up to 30W	8 ports up to 15.4W	AC: 180~240V 50/60Hz
E1100-8MP-2XG	4 ports up to 30W	8 ports up to 15.4W	AC: 180~240V 50/60Hz
E1100-16MP	8 ports up to 30W	16 ports up to 15.4W	AC: 180~240V 50/60Hz

The switching capacity indicates the total data exchange capability of the switch, in Gbps. MTBF is a basic measure of a system's reliability. This Series Switch is having higher MTBF, means very reliable product.

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Table 5. Bandwidth Specifications

Model Number	Switching Capacity （Gbps）	Switching Capacity Forwarding rate（Mpps）	MTBF (hours)
E1100-5M-2X	65	43.69	200,000
E1100-8M-2X	80	53.76	200,000
E1100-8M-2XG	80	53.76	200,000
E1100-16M	80	53.76	200,000
E1100-5MP-2X	65	43.69	200,000
E1100-8MP-2X	80	53.76	200,000
E1100-8MP-2XG	80	53.76	200,000
E1100-16MP	80	53.76	200,000

Table 6. LED Indication

LED Indication	LED Status
Power	**Green OFF:** No power on the switch. **Green ON:** The switch powered on
Link/Act	**LINK/ACT bi-color LED:** **OFF:** Port disconnected or link fail. **Green ON:** 10/100/1000Mbps connected. **Orange ON:** 2500Mbps connected. **Green Flashing:** 10/100/1000Mbps connected and Data in transit

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	Orange Flashing: 2500Mbps connected and Data in transit
Status	**Green OFF:** The system is starting, please wait **Green ON:** The system is up and running
PoE	**OFF:** PoE/PoE+ power is not provided on port **Blue ON:** PoE/PoE+ power is provided on port

Table 7. Maximum Cable Lengths

Connection Cable Type	Category and Speed	Maximum Cable Distance Supported
Unshielded Twisted Pair cable	**10/100Base-TX:** UTP category 5/5e/6 cables (Maximum 100m) **1000Base-T:** UTP Category 5/5e/6 cable (Maximum 100m) **2500Base-T:** UTP Category 5e/6 cables (Maximum 100m)	100M
Shielded Twisted Pair cable	**10/100Base-TX:** STP category 5/5e/6 cables (Maximum 250m) **1000Base-T:** UTP Category 5/5e/6 cable (Maximum 100m) **2500Base-T:** STP Category 5e/6 cables (Maximum 100m)	250M/100M
Optical Fiber Cable	550M~120KM Depending on SFP	120KM

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Environmental properties specifications

Environmental properties include those physical properties which relate to the environment. Moisture, heat conductivity, the physical effect of heat, Altitude, Humidity and electrical properties depend on the environmental conditions surrounding the device.

Table 8. Environmental properties

Property	Description
Operation Temperature	0°C to 55°C
Operating temperature and altitudes:	0°C to +55°C, up to 5000 feet (1500m) 0°C to +55°C, up to 10,000 feet (3000m) Minimum ambient temperature for cold start is 32°F (0°C) Short-term* exceptional conditions: 0°C to +55°C, up to 5000 feet (1500m) 0°C to +50°C, up to 10,000 feet (3000m) 0°C to +55°C, at sea level with single fan failure Not more than following in one-year period: 96 consecutive hours, or 360 hours total, or 15 days
Storage Temperature	-20° to 70°C
Operating Humidity (relative, noncondensing)	10% to 90% (Non-condensing)
Storage Humidity	5% to 90%(Non-condensing)

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Weight and Dimension specifications

It offers best in class from package dimensions to weight, destination, value, and shipment type. They are suitable for Industry standard Rack/Wall mounting. Industry Standard Rack/Wall mounted describes a unit of electronic equipment that is housed in a metal framework called an equipment rack. Usually, an equipment rack contains multiple "bays," each designed to hold a unit of equipment of standard dimensions.

Table 9. Weight and Dimension

Product Code	Weight & Dimension		
	Kilograms	Centimeters (H x D x W)	Inches (H x D x W)
E1100-5M-2X	1Kg	5 x 22 x 17	1.9 x 8.6 x 6.6
E1100-8M-2X	1.6Kg	8 x 25 x 32	3.1 x 9.8 x 12.5
E1100-8M-2XG	1.6Kg	8 x 25 x 32	3.1 x 9.8 x 12.5
E1100-16M	3.9Kg	6 x 25 x 54	2.3 x 9.8 x 21.2
E1100-5MP-2X	1Kg	5 x 22 x 17	1.9 x 8.6 x 6.6
E1100-8MP-2X	1.6Kg	8 x 25 x 32	3.1 x 9.8 x 12.5
E1100-8MP-2XG	1.6Kg	8 x 25 x 32	3.1 x 9.8 x 12.5
E1100-16MP	3.9Kg	6 x 25 x 54	2.3 x 9.8 x 21.2

SFP/SFP+ ports Slots specifications

It has 1 and 10 Gigabit Ethernet fiber based Gigabit Ethernet Small Form-Factor Pluggable Plus (SFP/SFP+) switches with granular port densities that fit diverse campus needs. The SFP/SFP+ transceiver is a compact, hot-swappable device that plugs into a physical port of a network device. SFP/SFP+ optics are used in

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communication networks and have a transmitting side (Tx) and a receiving side (Rx). The different SFP/SFP+ transceivers work with different wavelengths at an appointed distance. A 1G to 10G solution with SFP/SFP+ uplinks.

Table 10. SFP/ SFP+ Specifications

PRODUCT CODE	Description	Speed	Distance
SFP-UTP-1G	COMMANDO CopperX 1000BASE-T RJ45, SFP, 100m, CAT5/6, Multi-brand	1.25G	100m
SFP-MM-1G	COMMANDO FiberX 1000BASE-SX, SFP, 850nm, 550m, MMF, DDM, Multi-brand	1.25G	550m
SFP-SM-1G	COMMANDO FiberX 1000BASE-LX/LH, SFP, 1310nm, 20km, SMF, DDM, Multi-brand	1.25G	20km
SFP-EX-1G	COMMANDO FiberX 1000BASE-EX, SFP, 1310nm, 40km, SMF, DDM, Multi-brand	1.25G	40km
SFP-ZX-1G	COMMANDO FiberX 1000BASE-ZX, SFP, 1550nm, 80km, SMF, DDM, Multi-brand	1.25G	80km
SFP-EZX-1G	COMMANDO FiberX 1000BASE-EZX, SFP, 1550nm, 120km, SMF, DDM, Multi-brand	1.25G	120km
SFP-UTP-10G	COMMANDO CopperX 10GBASE-T RJ45, SFP+, 30m, CAT 6a/7, Multi-brand	10G	30m
SFP-UTP-10G-80M	COMMANDO CopperX 10GBASE-T RJ45, SFP+, 80m, CAT 6a/7, Multi-brand	10G	80m
SFP-SR-10G	COMMANDO FiberX 10GBASE-SR, SFP+, 850nm, 300m, MMF, DDM, Multi-brand	10G	300m
SFP-LR-10G	COMMANDO FiberX 10GBASE-LR, SFP+, 1310nm, 10km, SMF, DDM, Multi-brand	10G	10km

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SFP-LR-10G-20K	COMMANDO FiberX 10GBASE-LR, SFP+, 1310nm, 20km, SMF, DDM, Multi-brand	10G	20km
SFP-ER-10G	COMMANDO FiberX 10GBASE-ER, SFP+, 1550nm, 40km, SMF, DDM, Multi-brand	10G	40km
SFP-ZR-10G	COMMANDO FiberX 10GBASE-ZR/ZW, SFP+, 1550nm, 80km, SMF, DDM, Multi-brand	10G	80km

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Power Supply Specifications

Power supply is a king of all electronic devices without the power supply switch cannot work. Following rating power input required to make switch work.

Table 11. Power supply specifications

Description	Rating
Power supply rated maximum	240V AC
Input-voltage range and frequency	AC: 100~240V 50/60Hz AC: 180~240V, 50/60 Hz
Power cord rating	15A

Included in the bundle/box

All E1100 Series Unmanaged Multi-Gig 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 E1100 Series Switch
1x Power cable
1x Rack/Wall mountable kit

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Warranty and Support

COMMANDO E1100 Series Unmanaged Multi-Gig Switches come with replacement warranty and provided support according to COMMANDO WarrantyX Program available on:

https://www.commandonetworks.com/warranty

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Ordering Information

Table 12 lists ordering information for the COMMANDO Scout E1100 Series Unmanaged Multi-Gig Switches. To place an order, please contact your local reseller/distributor or COMMANDO Sales Representative at www.commandonetworks.com/catalog

Table 12. COMMANDO Scout E1100 Series Unmanaged Multi-Gig Switches Ordering Information

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

Please note:
The model numbers of newer version products are further simplified such as + is updated to –. However, the product remains same and can be treated interchangeably.

Examples:
E1100-8MP+2X is updated to E1100-8MP-2X

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

COMMANDO Scout E100 Series Unmanaged Switches

COMMANDO Scout E100 Series Unmanaged Switches are plastic casing switches. These are non-PoE Series Switches specially designed with focus on SoHo and price priority application scenarios. All RJ45 ethernet ports have 5/8-Pins ensuring efficient data transfers. The plastic casing is high quality and durable with high level of heat absorption and resistance.

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

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

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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 IEEEE 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.

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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,

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	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 IEEEE 802.3af/at and supplies 15.4W/30W of power per port. This Switch also removes speed and

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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

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Document History

Release	What's new	Date
Release 1	New Launch	September 18, 2023
Release 2	More products added	April 6, 2026

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