

CES3006

Gigabit Ethernet Switch

2/4*10/100/1000Base-T + 1/2*1G SFP/Combo



Overview

The CES3006 series Gigabit Ethernet Switch adopts a store-and-forward architecture with wired-speed performance, featuring 2/4x 10/100/1000Base-T RJ45 ports and 1/2x 1000Base-SX/LX SFP/SC/FC/ST fiber ports. It is designed to meet the demands of modern network infrastructures.






Features

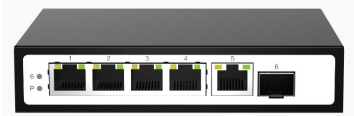
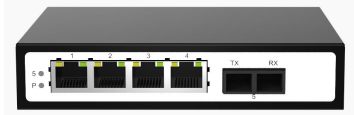


- **High-Speed Connectivity:** 2/4x 10/100/1000 Mbps RJ45 ports, ensuring seamless data transmission for bandwidth-intensive applications.
- **Fiber Uplink Capability:** 2x 1000Base-SX/LC SFP/SC/FC/ST fiber ports, providing flexible fiber connectivity options for extended network reach and enhanced performance.
- **Power over Ethernet (PoE):** Each RJ45 port supports PoE, delivering up to 30W per port, compliant with IEEE 802.3af/at standards. This enables the switch to power devices such as IP cameras, wireless access points, and VoIP phones directly through the Ethernet cables, simplifying installation and reducing the need for additional power sources.
- **Robust compact Design:** Housed in a durable IP30 metal casing, the switch is built to withstand challenging environments, ensuring reliable operation in various commercial settings.
- **Plug and Play:** With its unmanaged design, the switch offers straightforward deployment without the need for complex configuration, making it an ideal choice for businesses seeking hassle-free network expansion.

Applications

- **Surveillance Systems:** Perfect for powering IP cameras and managing high-definition video streams.
- **Wireless Networks:** Ideal for connecting and powering wireless access points to extend network coverage.
- **VoIP Communications:** Suitable for connecting VoIP phones, ensuring clear and uninterrupted voice communication.

Product List

| Model | Description |
|---|--|
|  <p>CES3006-2T2S</p> | <p>Ports: 2x 10/100/1000Base-T RJ45, 2x 1000/100Base-X SFP</p> <p>Switch Capacity: 12G</p> <p>Packet forwarding Rate: 8.928Mpps</p> <p>Power input: 5-12Vdc input</p> <p>Power Adaptor: AC100~240V 50/60Hz, 5V1A output</p> <p>Dimension: 135*97*28mm</p> |
|  <p>CES3006-5T</p> | <p>Ports: 5x 10/100/1000Base-T RJ45</p> <p>Switch Capacity: 12G</p> <p>Packet forwarding Rate: 5.952Mpps</p> <p>Power input: 5-12Vdc input</p> <p>Power Adaptor: AC100~240V 50/60Hz, 5V1A output</p> <p>Dimension: 135*97*28mm</p> |
|  <p>CES3006-5T1S</p> | <p>Ports: 5x 10/100/1000Base-T RJ45, 1x 1000Base-X SFP</p> <p>Switch Capacity: 12G</p> <p>Packet forwarding Rate: 8.928Mpps</p> <p>Power input: 5-12Vdc input</p> <p>Power Adaptor: AC100~240V 50/60Hz, 5V1A output</p> <p>Dimension: 135*97*28mm</p> |
|  <p>CES3006-4T1F</p> | <p>Ports: 4x 10/100/1000Base-T RJ45, 1x 1000Base-X SC</p> <p>Switch Capacity: 12G</p> <p>Packet forwarding Rate: 7.44Mpps</p> <p>Power input: 5-12Vdc input</p> <p>Power Adaptor: AC100~240V 50/60Hz, 5V1A output</p> <p>Dimension: 135*97*28mm</p> |
|  <p>CES3006-4T2S</p> | <p>Ports: 4x 10/100/1000Base-T RJ45, 2x 1000/100Base-X SFP</p> <p>Switch Capacity: 12G</p> <p>Packet forwarding Rate: 8.928Mpps</p> <p>Power input: 5-12Vdc input</p> <p>Power Adaptor: AC100~240V 50/60Hz, 5V1A output</p> <p>Dimension: 135*97*28mm</p> |
|  <p>CES3006-4T2F</p> | <p>Ports: 4x 10/100/1000Base-T RJ45, 2x 1000/100Base-X SC</p> <p>Switch Capacity: 12G</p> <p>Packet forwarding Rate: 8.928Mpps</p> <p>Power input: 5-12Vdc input</p> <p>Power Adaptor: AC100~240V 50/60Hz, 5V1A output</p> <p>Dimension: 135*97*44mm</p> |
|  <p>CES3006-4P1T</p> | <p>Ports: 4x 10/100/1000Base-T PoE(af/at), 1G copper uplink</p> <p>Switch Capacity: 12G</p> <p>Packet forwarding Rate: 8.928Mpps</p> <p>Power input: 48Vdc input</p> <p>Power Adaptor: AC100~240V 50/60Hz, 65W 48V1.35A output</p> <p>Dimension: 135*97*28mm</p> |

| | |
|--|---|
|  <p>CES3006-4PTS</p> | <p>Ports: 4x 10/100/1000Base-T PoE(af/at), 1G RJ45 + SFP uplink</p> <p>Switch Capacity: 12G</p> <p>Packet forwarding Rate: 8.928Mpps</p> <p>Power input: 48Vdc input</p> <p>Power Adaptor: AC100~240V 50/60Hz, 65W 48V1.35A output</p> <p>Dimension: 135*97*28mm</p> |
|  <p>CES3006-4P1F</p> | <p>Ports: 4x 10/100/1000Base-T (af/at), 1x 1000Base-X SC</p> <p>Switch Capacity: 12G</p> <p>Packet forwarding Rate: 7.44Mpps</p> <p>Power input: 5-12Vdc input</p> <p>Power Adaptor: AC100~240V 50/60Hz, 65W 48V1.35A output</p> <p>Dimension: 135*97*28mm</p> |
|  <p>CES3006-4P2S</p> | <p>Ports: 4x 10/100/1000Base-T PoE(af/at), 2x 1000/100Base-X SFP</p> <p>Switch Capacity: 12G</p> <p>Packet forwarding Rate: 8.928Mpps</p> <p>Power input: 5-12Vdc input</p> <p>Power Adaptor: AC100~240V 50/60Hz, 65W 48V1.35A output</p> <p>Dimension: 135*97*28mm</p> |
|  <p>CES3006-4P2F</p> | <p>Ports: 4x 10/100/1000Base-T PoE(af/at), 2x 1000/100Base-X SC</p> <p>Switch Capacity: 12G</p> <p>Packet forwarding Rate: 8.928Mpps</p> <p>Power input: 5-12Vdc input</p> <p>Power Adaptor: AC100~240V 50/60Hz, 65W 48V1.35A output</p> <p>Dimension: 135*97*44mm</p> |

Technical Specifications

| Performance | |
|------------------------|---|
| Standard | IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x |
| Data forwarding | Store and Forward |
| Switch Capacity | 12Gbps/non-blocking |
| Packet forwarding Rate | 8.92Mpps |
| MAC address | 2Kbit |
| Buffer Space | 1M |
| Jumbo Frame | 9K |
| Ports | |
| Copper port | 10/100/1000M Auto-negotiation, RJ45 Auto-Cross for MDI/MDIX Cat5/Cat5e/Cat6, ≤100m |
| Fiber port | 1.25G SFP/SC/FC/ST OS1/OS2 ≤120km; OM1/OM2 ≤550m |

| | |
|----------------------------|---|
| LED indicators | |
| Status | Power, Link/Act, Speed/PoE |
| PoE | |
| Standard | IEEE802.3af/at |
| Pin Assignment | 1/2(+), 3/6(-) |
| PoE Budget | ≤30W each port |
| Electrical characteristics | |
| Power Input | 5~12Vdc, 44~58Vdc for PoE models |
| Power Consumption | <5W |
| Power interface | DC socket |
| Physical characteristics | |
| Dimension | 135x97x28mm (135x97x44mm for 2x SC/FC/ST model) |
| Installation | Wall-mounted / Desktop |
| Protection | IP30, metal |
| Environment | |
| Working Temperature | -10°C ~ 60°C |
| Storage Temperature | -40°C~85°C |
| Relative Humidity | 5%-95% (no condensation) |
| Certification | |
| Safety | EN62368 |
| EMC | EN55032 Class A, FCC part 15 Subpart B Class A EN 61000-3-2 Class A, EN 61000-3-3 Class A, EN 61000-4-2 Level 3, EN 61000-4-3 Level 3, EN 61000-4-4 Level 3 EN 61000-4-5, EN 61000-4-6 Level 3, EN 61000-4-8 Level 4 30A/m EN 61000-11 Voltage dip/interruption |
| Reliability | IEC 60068-2-6, IEC 60068-2-27, IEC 60068-2-32 |
| RoHS | RoHS 2.0 |

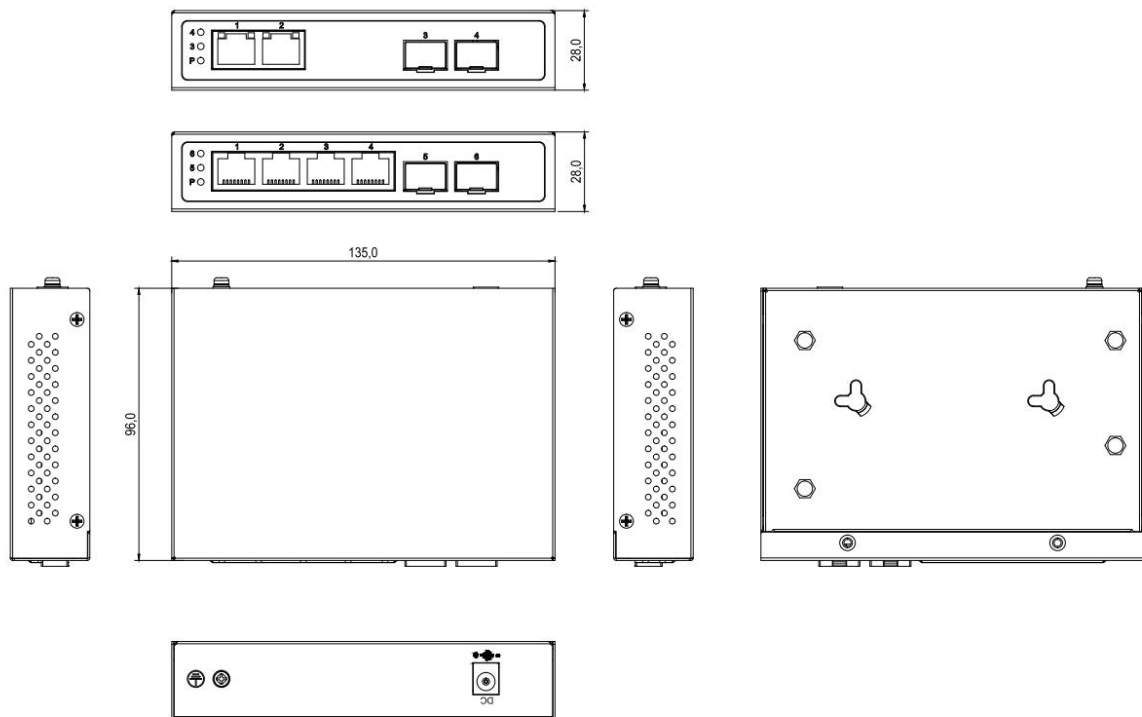
Order Information

| Model No. | Description |
|---|--|
| CES3006-5T | 5x 10/100/1000M RJ45 |
| CES3006-5T1S | 5x 10/100/1000M RJ45, 1x SFP |
| CES3006-4T1F | 4x 10/100/1000M RJ45, 1x SC/FC/ST fiber port |
| CES3006-4T2S | 4x 10/100/1000M RJ45, 2x SFP |
| CES3006-4T2F | 4x 10/100/1000M RJ45, 2x SC/FC/ST fiber port |
| CES3006-4P1T | 4x 10/100/1000M PoE, 1G RJ45 uplink |
| CES3006-4PTS | 4x 10/100/1000M PoE, 1G RJ45 + SFP uplink |
| CES3006-4P1F | 4x 10/100/1000M PoE, 1G SC/FC/ST fiber uplink |
| CES3006-4P2S | 4x 10/100/1000M PoE, 2x 1G SFP uplink |
| CES3006-4P2F | 4x 10/100/1000M PoE, 2x 1G SC/FC/ST fiber port |
| Note: 5V1A power adaptor for Non-PoE models, 65W power adaptor for PoE mode | |

Related Products

| Model No. | Description |
|---------------------------------|--|
| SFP-M1285L-05 | SFP 1.25G MM 850nm LC 550m DDM |
| SFP-S1213L-20 | SFP 1.25G SM 1310nm LC 20km DDM |
| SFP-B1235L-20 | SFP 1.25G SM TX1310/RX1550nm LC 20km DDM |
| SFP-B1253L-20 | SFP 1.25G SM TX1550/RX1310nm LC 20km DDM |
| 40/60/80/100/120km is available | |

Structure diagram



(135x97x28mm or 135x97x44mm)



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