IP-COM

Quick Installation Guide

16-Port Gigabit Desktop/Rackmount Switch
With 16-Port PoE
24-Port Gigabit Rackmount Switch With
24-Port PoE
G1116P-16-150W/G1124P-24-250W

Package contents

- Switch *1
- Pads *4
- Power cord *1
- Screws (G1116P-16-150W: 6, G1124P-24-250W: 8)
- L-shaped bracket *2
- Quick Installation Guide *1

1. Product Overview

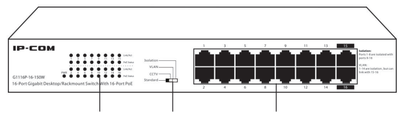


Figure 1-1 Front Panel of G1116P-16-150W

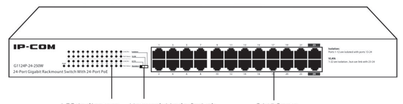


Figure 1-2 Front Panel of G1124P-24-250W

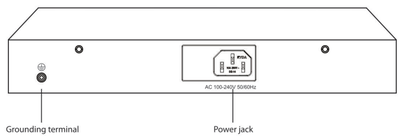


Figure 1-3 Rear Panel (Taking G1116P-16-150W as an example)

LED Indicator	Status	Description
PWR	Solid on	The switch is connected to a power supply properly.
	Off	The switch is not connected to a power supply properly or not connected to a power supply.
Link/Act	Solid on	The port is connected properly.
	Blinking	The port is transmitting or receiving data.
	Off	The port is not connected properly or not connected to a device.
PoE Status	Solid on	A PD is connected to the PoE port and powered properly.
	Off	No PD is connected to the PoE port.

Set the network mode to the one you need using the network mode switch according to the following description.

Standard Mode (default):

In this mode, the switch functions as a common switch and all the ports of the switch can communicate with each other.

CCTV Mode:

- In this mode, PoE ports 1-8 have higher priorities over the other ports.
- All the ports of the switch can communicate with each other.
- If multiple IP cameras are connected to the switch, you are recommended to enable this mode and connect special supervision IP cameras to the ports with high priority, the two uplink ports of the switch to upstream devices (such as NVR, router, and so on), to ensure smoother monitoring video playback.
- Ports 15 and 16 of G1116P-16-150W and ports 23 and 24 of G1124P-24-250W are uplink ports.

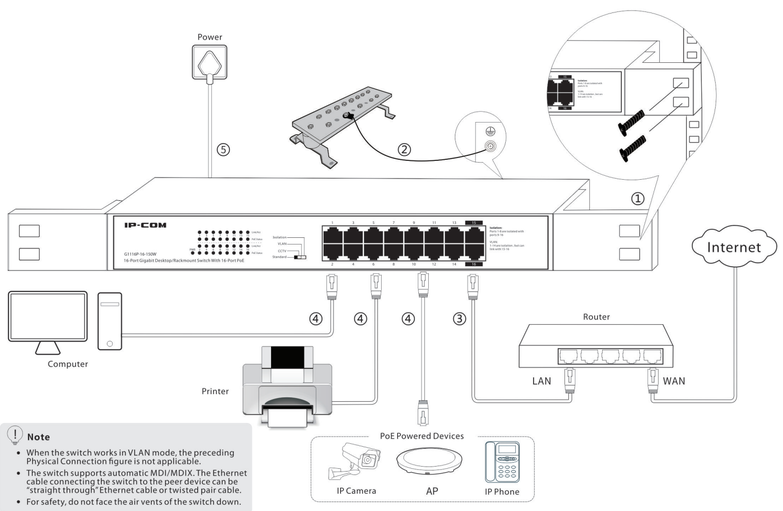
VLAN Mode:

- In this mode, ports 1 to 14 of G1116P-16-150W are isolated from each other, but can communicate with ports 15 and 16 (uplink ports) respectively.
- Ports 1 to 22 of G1124P-24-250W are isolated from each other, but can communicate with ports 23 and 24 (uplink ports) respectively.
- And the switch can reduce broadcast storm and isolate DHCP broadcast.

Isolation Mode:

- In this mode, ports 1 to 8 and Ports 9 to 16 of G1116P-16-150W belong to two different VLAN.
- Ports 1 to 12 and Ports 13 to 24 of G1124P-24-250W belong to two different VLAN.
- This mode can be used to isolate supervision network and wireless network to make them not interfere with each other.

2. Connecting Devices



Note

- When the switch works in VLAN mode, the preceding Physical Connection figure is not applicable.
- The switch supports automatic MDI/MDIX. The Ethernet cable connecting the switch to the peer device can be "straight through" Ethernet cable or twisted pair cable.
- For safety, do not face the air vents of the switch down.

Figure 2-1 Physical Connection (Taking G1116P-16-150W as an example)

Technical Specifications

Model		G1116P-16-150W	G1124P-24-250W
Interface	10/100/1000 Mbps RJ45	16	24
	Lightning protection	6 kV	
	Network mode	Standard mode, CCTV mode, VLAN mode and Isolation mode	
Performance	Store-And-Forward	Supported	
	MAC address table	8 K	
	MAC address learning	Auto-learning/aging	
	Switching capacity	32 Gbps	48 Gbps
PoE Power	PoE standard	IEEE 802.3af and IEEE 802.3at	
	PoE power cable core	8 cores	
	PoE port	1 to 16	1 to 24
	Maximum power output of one port	30 W	30 W
	Maximum power output of switch	135 W	225 W
Dimensions (L x W x H)		294 mm * 178.8 mm * 44 mm	440 mm * 178.8 mm * 44 mm
Input Voltage		100 – 240 V AC 50/60 Hz	
Environment	Operating environment	Operating temperature: 0 °C - 45 °C Operating humidity: (10- 90)% RH, non-condensing	
	Storage environment	Storage temperature: -40 °C - 70 °C Storage humidity: (5 - 90)% RH, non-condensing	
Data Rate		Ethernet: 10 Mbps (Half Duplex)/20 Mbps (Full Duplex) Fast Ethernet: 100 Mbps (Half Duplex)/200 Mbps (Full Duplex) Gigabit Ethernet: 2000 Mbps (Full Duplex)	
Network Medium		Ethernet: CAT3 or better UTP/STP cable Fast Ethernet: CAT5 or better UTP/STP cable Gigabit Ethernet: CAT5E or CAT6 UTP/STP cable (recommended)	
Network Standard		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x	

Producto	NOMBRE DEL PRODUCTO: Conmutador Gigabit de escritorio / montaje en estantería de 16 puertos con 16 puertos PoE MODELO: G1116P-16-150W
Alimentador de Energía: Alimentación: 100 V - 240 V ca 50Hz/60Hz, 2.0 A Salida: 53.5 V cc 2.8 A	NOM NYCE
PAIS DE ORIGEN: CHINA	

Producto	NOMBRE DEL PRODUCTO: Conmutador Gigabit de montaje en estantería de 24 puertos con 24 puertos PoE MODELO: G1124P-24-250W
Alimentador de Energía: Alimentación: 100 V - 240 V ca 50Hz/60Hz, 4.0 A Salida: 53.5 V cc 4.7 A	NOM NYCE
PAIS DE ORIGEN: CHINA	

EAC

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Português

Modelo		G1116P-16-150W	G1124P-24-250W
Interface	10/100/1000 Mbps RJ45	16	24
	Proteção contra raios	6 kV	
	Modo Rede	Standard Modo, CCTV Modo, VLAN Modo, Isolation Modo	
Desempenho	Armazenamento e encaminhamento	Suportado	
	Tabela de endereços MAC	8 K	
	Aprendizagem de endereços MAC	Aprendizagem/envelhecimento	
	Capacidade de comutação	32 Gbps	48 Gbps
Energia de PoE	PoE Padrão	IEEE 802.3af, IEEE 802.3at	
	Núcleo de cabo de energia PoE	8 núcleos	
	Porta PoE	1 to 16	1 to 24
	Máxima potência de saída de uma porta	30 W	30 W
	Máxima potência de saída do	135 W	225 W
Dimensões (C x L x A)		294 mm * 178.8 mm * 44 mm	440 mm * 178.8 mm * 44 mm
Tensão de entrada		100 – 240 V AC 50/60 Hz	
Ambientes	Ambiente operacional	Temperatura de funcionamento: 0 °C - 45 °C Humidade de funcionamento: (10- 90)% RH, sem condensação	
	Ambiente de armazenamento	Temperatura de armazenamento: -40 °C - 70 °C Humidade de armazenamento: (5 - 90)% RH, sem condensação	
Taxa de dados		Ethernet: 10 Mbps (half-duplex)/20 Mbps (full-duplex) Ethernet rápida: 100 Mbps (half-duplex)/200 Mbps (full-duplex) Gigabit Ethernet: 2000 Mbps (full-duplex)	
Transmissão média		Ethernet: CAT3 ou melhor, cabo UTP/STP Ethernet rápida: CAT5 ou melhor, cabo UTP/STP Gigabit Ethernet: Cabo CAT5E ou CAT6 UTP/STP (recomendado)	
Norma de rede		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x	

Español

Modelo		G1116P-16-150W	G1124P-24-250W
Interfaz	10/100/1000 Mbps RJ45	16	24
	Protección contra rayos	6 kV	
	Modo de red	Standard Modo, CCTV Modo, VLAN Modo, Isolation Modo	
Rendimiento	Almacenar y retransmitir	Compatible	
	Tabla de direcciones MAC	8 K	
	Aprendizaje de direcciones MAC	Aprendizaje automático/vencimiento	
	Capacidad de conmutación	32 Gbps	48 Gbps
Alimentación PoE	Estándar PoE	IEEE 802.3af , IEEE 802.3at	
	Núcleo del cable de alimentación PoE	8 núcleos	
	Puerto PoE	1 to 16	1 to 24
	Potencia de salida máxima de un puerto	30 W	30 W
	Potencia de salida máxima del conmutador	135 W	225 W
Dimensiones (L x An x Al)		294 mm * 178.8 mm * 44 mm	440 mm * 178.8 mm * 44 mm
Voltaje de entrada		100 – 240 V AC 50/60 Hz	
Entornos	Entorno de funcionamiento	Temperatura de funcionamiento: 0 °C - 45 °C Humedad de funcionamiento: (10-90)% RH, sin condensación	
	Entorno de almacenamiento	Temperatura de almacenamiento: -40 °C - 70 °C Humedad de almacenamiento: (5 - 90)% RH, sin condensación	
Velocidad de datos		Ethernet: 10 Mbps (dúplex medio)/20 Mbps (dúplex completo) Fast Ethernet: 100 Mbps (dúplex medio)/200 Mbps (dúplex completo) Gigabit Ethernet: 2000 Mbps (dúplex completo)	
Medio de transmisión		Ethernet: CAT3 o UTP/STP Fast Ethernet: CAT5 o UTP/STP Gigabit Ethernet: Cable CAT5E o UTP/STP CAT6 (recomendado)	
Estándar de red		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x	

Italiano

Modello		G1116P-16-150W	G1124P-24-250W
Interfaccia	10/100/1000 Mbps RJ45	16	24
	Protezione contro l fulmini	6 kV	
	Modalità di rete	Standard Modalità, CCTV Modalità VLAN Modalità, Isolation Modalità	
Prestazioni	Store-and-forward	Supportato	
	Tabella degli indirizzi MAC	8 K	
	Apprendimento degli indirizzi MAC	Apprendimento/aging automatico	
	Capacità di commutazione	32 Gbps	48 Gbps
Alimentazione PoE	PoE Standard	IEEE 802.3af , IEEE 802.3at	
	Nucleo del cavo di alimentazione PoE	8 nuclei	
	Porta PoE	1 to 16	1 to 24
	Potenza massima di una porta	30 W	30 W
	Potenza massima dello switch	135 W	225 W
Dimensioni (L x P x A)		294 mm * 178.8 mm * 44 mm	440 mm * 178.8 mm * 44 mm
Tensione di ingresso		100 – 240 V AC 50/60 Hz	
Dati ambientali	Ambiente operativo	Temperatura di funzionamento: 0 °C - 45 °C Umidità di funzionamento: (10- 90)% RH, senza condensa	
	Ambiente di immagazzinaggio	Temperatura d'immagazzinaggio: -40 °C - 70 °C Umidità di immagazzinaggio: (5 - 90)% RH, senza condensa	
Velocità dati		Ethernet: 10 Mbps (half-duplex)/20 Mbps (full-duplex) Fast Ethernet: 100 Mbps (half-duplex)/200 Mbps (full-duplex) Gigabit Ethernet: 2000 Mbps (full-duplex)	
Supporto di trasmissione		Ethernet: Cavo UTP/STP CAT3 o migliore Fast Ethernet: Cavo UTP/STP CAT5 o migliore Gigabit Ethernet: Cavo UTP/STP CAT5E o CAT6 oppure migliore	
Standard di rete		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x	

Français

Modèle		G1116P-16-150W	G1124P-24-250W
Interface	10/100/1000 Mbps RJ45	16	24
	Protection contre la foudre	6 kV	
	Mode du réseau	Standard Mode, CCTV Mode, VLAN Mode, Isolation Mode	
Performance	Enregistrer et faire suivre	Supporté	
	Tableau des adresses MAC	8 K	
	Apprentissage des adresses MAC	Apprentissage automatique/péremption	
	Capacité de commutation	32 Gbps	48 Gbps
Norme d'alimentation lectrique PoE	Alimentation PoE	IEEE 802.3af, IEEE 802.3at	
	Âmes des câbles d'alimentation PoE	8 âmes	
	Port PoE	1 to 16	1 to 24
	Puissance maximale de sortie sur un port	30 W	30 W
	Puissance maximale de sortie du	135 W	225 W
Dimensions (L x W x H)		294 mm * 178.8 mm * 44 mm	440 mm * 178.8 mm * 44 mm
Tension d'entrée		100 – 240 V AC 50/60 Hz	
Environements	Environnement opérationnel	Température de fonctionnement: 0 °C - 45 °C Humidité en fonctionnement: (10-90)% HR, sans condensation	
	Environnement de stockage	Température de stockage: -40 °C - 70 °C Humidité de stockage: (5 - 90)% HR, sans condensation	
Débit de données		Ethernet: 10 Mbps (semi-duplex)/20 Mbps (duplex intégral) Fast Ethernet: 100 Mbps (semi-duplex)/200 Mbps (duplex intégral) Gigabit Ethernet: 2000 Mbps (duplex intégral)	
Moyen de transmission		Ethernet: câble CAT3 ou au mieux UTP/STP Fast Ethernet: câble CAT5 ou au mieux UTP/STP Gigabit Ethernet: câble CAT5E ou CAT6 UTP/STP (recommandé)	
Norme du réseau		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x	

Deutsch

Modell		G1116P-16-150W	G1124P-24-250W
Interface	10/100/1000 Mbps RJ45	16	24
	Blitzschutz	6 kV	
	Netzwerk-Modus	Standard Modus, CCTV Modus, VLAN Modus , Isolation Modus	
Leistung	Speichern und Vorwärts	Unterstützt	
	MAC-Adressentabelle	8 K	
	MAC-Adressenlernen	Automatisches Lernen/Automatisches Altern	
	Schaltleistung	32 Gbps	48 Gbps
PoE-Strom	PoE-Standard	IEEE 802.3af , IEEE 802.3at	
	Anzahl der PoE Netzkabeladern	8-adrig	
	PoE-Port	1 to 16	1 to 24
	Maximale Leistung eines Ports	30 W	30 W
	Maximale Leistung des Schalters	135 W	225 W
Abmessungen (L x B x H)		294 mm * 178.8 mm * 44 mm	440 mm * 178.8 mm * 44 mm
Eingabe		100 – 240 V AC 50/60 Hz	
Umgebung	Betriebsumgebung	Betriebstemperatur: 0 °C - 45 °C Betriebsfeuchtigkeit: (10- 90)% RH, nicht kondensierend	
	Lagerumgebung	Lagertemperatur: -40 °C - 70 °C Lagerfeuchtigkeit: (5 - 90)% RH, nicht kondensierend	
Datenrate		Ethernet: 10 Mbps (Halbduplex)/20 Mbps (Vollduplex) Schnelles Ethernet: 100 Mbps (Halbduplex)/200 Mbps (Vollduplex) Gigabit Ethernet: 2000 Mbps (Vollduplex)	
Netzwerkmedium		Ethernet: CAT3 oder besser UTP/STP Kabel Schnelles Ethernet: CAT5 oder besser UTP/STP Kabel Gigabit Ethernet: CAT5E oder CAT6 UTP/STP Kabel (empfohlen)	
Netzwerkstandard		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x	

Polski

Model		G1116P-16-150W	G1124P-24-250W
Interfejs	10/100/1000 Mbps RJ45	16	24
	Ochrona przed piorunami	6 kV	
	Tryb sieci	Standard tryb, CCTV tryb, VLAN tryb , Isolation tryb	
Wydajność	Zachowuj-i-przekierowuj	Obsługiwane	
	Tabela adresów MAC	8 K	
	Nauka adresów MAC	Automatyczna nauka/zapominanie	
	Zdolność łączeniowa	32 Gbps	48 Gbps
Zasilanie sieciowe	PoE Standard	IEEE 802.3af, IEEE 802.3at	
	Rdzeń kabla zasilającego PoE	8 rdzeni	
	Port zasilania	1 to 16	1 to 24
	Maksymalna wyjściowa moc jednego portu	30 W	30 W
	Maksymalna wyjściowa moc switcha	135 W	225 W
Wymiary (dł. x szer. x wys.)		294 mm * 178.8 mm * 44 mm	440 mm * 178.8 mm * 44 mm
Moc wejściowa		100 – 240 V AC 50/60 Hz	
Środowisko	Środowisko pracy	Temperatura pracy: 0 °C - 45 °C Wilgotność pracy: (10- 90)% RH, bez kondensacji	
	Środowisko przechowywania	Temperatura przechowywania: -40 °C - 70 °C Wilgotność przechowywania: (5 - 90)% RH, bez kondensacji	
Szybkość przepływu danych		Ethernet: 10 Mbps (half-duplex)/20 Mbps (full-duplex) Szybki Ethernet: 100 Mbps (half-duplex)/200 Mbps (full-duplex) Gigabit Ethernet: 2000 Mbps (full-duplex)	
Środek przesyłu		Ethernet: CAT3 lub lepiej kabel UTP/STP Szybki Ethernet: CAT5 lub lepiej kabel UTP/STP Gigabit Ethernet: CAT5E lub kabel CAT6 UTP/STP (zalecane)	
Standard sieci		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x	

Magyar

Model		G1116P-16-150W	G1124P-24-250W
Interfész	10/100/1000 Mb/s RJ45	16	24
	Villámcsapás védelem	6 kV	
	Hálózati mód	Standard Módok, CCTV Módok, VLAN Módok , Isolation Módok	
Működés	Tárolás és továbbítás	Támogatott	
	MAC cím táblázat	8 K	
	MAC címtanulás	Automatikus tanulás/avulás	
	Kapcsolási kapacitás	32 Gbps	48 Gbps
PoE teljesítmény	PoE szabvány	IEEE 802.3af , IEEE 802.3at	
	PoE tápkábel erek száma	8 ér	
	PoE port	1 to 16	1 to 24
	Maximális kimeneti teljesítmény egy porton	30 W	30 W
	Switch maximális kimeneti teljesítménye	135 W	225 W
Méretek (H x SZ x M)		294 mm * 178.8 mm * 44 mm	440 mm * 178.8 mm * 44 mm
Bemeneti feszültség		100 – 240 V AC 50/60 Hz	
Környezet tipusok	Működési környezet	Működési hőmérséklet: 0 °C - 45 °C Működési páratartalom: (10-90)% RH, nem kicsapódó	
	Tárolási környezet	Tárolási hőmérséklet: -40 °C - 70 °C Tárolási páratartalom: (5 - 90)% RH, nem kicsapódó	
Adatátviteli sebesség		Ethernet: 10 Mbps (half-duplex)/20 Mbps (full-duplex) Fast Ethernet: 100 Mbps (half-duplex)/200 Mbps (full-duplex) Gigabit Ethernet: 2000 Mbps (full-duplex)	
Átviteli közeg		Ethernet: CAT3 vagy gyorsabb UTP/STP kábel Fast Ethernet: CAT5 vagy gyorsabb UTP/STP kábel Gigabit Ethernet: CAT5E vagy CAT6 UTP/STP kábel (ajánlott)	
Hálózati szabványok		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x	

Română

Model		G1116P-16-150W	G1124P-24-250W
Interfață	10/100/1000 Mbps RJ45	16	24
	Protecție împotriva descărcărilor electrice	6 kV	
	Mod de rețea	Standard Mod, CCTV Mod, VLAN Mod , Isolation Mod	
Performanță	Stocare și derulare înainte	Suportat	
	Tabel adresă MAC	8 K	
	Învățare adresă MAC	Învățare/datare automată	
	Capacitate de comutare	32 Gbps	48 Gbps
Tensiune PoE	Standard PoE	IEEE 802.3af, IEEE 802.3at	
	Conductor cablu de alimentare PoE	8 conductori	
	Port PoE	1 to 16	1 to 24
	Puterea maximă de ieșire a unui port	30 W	30 W
	Puterea maximă de ieșire a întreruptorului	135 W	225 W
Dimensiuni (L x l x Î)		294 mm * 178.8 mm * 44 mm	440 mm * 178.8 mm * 44 mm
Tensiune de intrare		100 – 240 V AC 50/60 Hz	
Medii	Mediu de funcționare	Temperatura de funcționare: 0 °C - 45 °C Umiditate de funcționare: (10- 90)% RH, fără condensare	
	Mediu de depozitare	Temperatura de depozitare: -40 °C - 70 °C Umiditate de depozitare: (5 - 90)% RH, fără condensare	
Rată transfer date		Ethernet: 10 Mbps (half-duplex)/20 Mbps (full-duplex) Fast Ethernet: 100 Mbps (half-duplex)/200 Mbps (full-duplex) Gigabit Ethernet: 2000 Mbps (full-duplex)	
Transmisie medie		Ethernet: Cablu CAT3 sau mai bine UTP/STP Fast Ethernet: Cablu CAT5 sau mai bine UTP/STP Gigabit Ethernet: Cablu CAT5E sau CAT6 UTP/STP (recomandat)	
Standard rețea		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x	

Русский

Модель		G1116P-16-150W	G1124P-24-250W
Интерфейс	10/100/1000 Mbps RJ45	16	24
	Молниезащита	6 kV	
	Сетевой режим	Standard Режим, CCTV Режим, VLAN Режим , Isolation Режим	
выполнение	С промежуточной буферизацией	Поддерживается	
	Таблица MAC-адресов	8 K	
	Изучение MAC-адресов	Автоматическое изучение/Старение	
	Коммутационная способность	32 Gbps	48 Gbps
Питание PoE	PoE стандарт	IEEE 802.3af , IEEE 802.3at	
	Жила силового кабеля PoE	8 жил	
	Порт PoE	1 to 16	1 to 24
	Максимальная выходная мощность одного порта	30 W	30 W
	Максимальная выходная мощность коммутатора	135 W	225 W
Размеры (Д x Ш x В)		294 mm * 178.8 mm * 44 mm	440 mm * 178.8 mm * 44 mm
Входное напряжение		100 – 240 V AC 50/60 Hz	
Окружающая среда	Рабочая среда	Рабочая температура: 0 °C - 45 °C Рабочая влажность: (10- 90)% RH, без конденсации	
	Условия хранения	Температура хранения: -40 °C - 70 °C Влажность при хранении: (5 - 90)% RH, без конденсации	
Скорость передачи данных		Ethernet: 10 Mbps (полудуплекс)/20 Mbps (полный дуплекс) Быстрый Ethernet: 100 Mbps (полудуплекс)/200 Mbps (полный дуплекс) Гигабит Ethernet: 2000 Mbps (полный дуплекс)	
Передающий носитель		Ethernet: CAT3 или лучший UTP/STP кабель Быстрый Ethernet: CAT5 или лучший UTP/STP кабель Гигабит Ethernet: CAT5E или CAT6 UTP/STP кабель (рекомендовано)	
Стандарт сети		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x	