



1-Port 10/100Base-TX + 1-Port BNC Ethernet over Coaxial Extender (NF-1801 IP Extender)



Description

NuFiber® NF-1801 is the high-performance Ethernet-over-Coaxial extender that converts between twisted pair (UTP) and coaxial cable for every kind of IP Ethernet application. It offers the absolutely fastest data transmission speed over existing coaxial cable without the need of rewiring. On the UTP side, the NF-1801 uses a modular EIA / TIA 568 RJ-45 connector that supports CAT-5/5e or above wiring with the distance up to 100 meters (328 feet). On the coaxial cable side, the NF-1801 utilizes a BNC connector that supports 50ohm or 75ohm coaxial cable with the distance up to 2km. It is ideal for extending the distance and signal conversion by transmitting the Ethernet data from the coaxial cable for any type of IP network device such as IP camera, wireless access point, NVR and digital signal.

Features

- **High Transmission Speed**

Physical Port transmission rate up to 200Mbps.

Valid data flowing rate up to 80Mbps

Transmission distance up to 2KM

Supply 10/100Mbps 1-port Ethernet interface and 1-port BNC interface

- **High compatibility**

Support QAM 16/64/256/1024, DQPSK, DBPSK and ROBO modulation technology.

Support conformability transmission QoS, Multi cast and IGMP.

- **High security**

Adopt 128bits AES data encryption and Key management.

Adopt Peer-to-peer network framework

Plug and Play (without any setting)



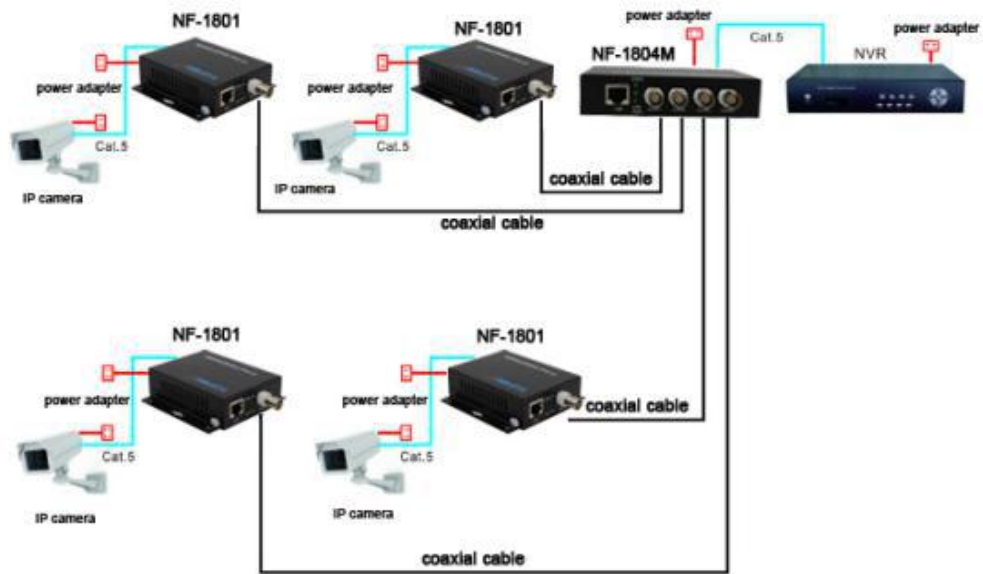
Technical Parameter

Interface	10/100Base-TX UTP port (Auto-adaptation) ×1 BNC×1
Transmission medium	coaxial cable
Modulation technique	OFDM
LED Indicators	Power: Light on: Normal operation Coax: Light on: Video signal is normal UTP, Act/Link: Light on: connection is correct Light Blink: normal communication M(master)/S(slave) : Light on: Under Slave Light off: Under Master
Transmission band	2MHz–28MHz
Protocol standard	IEEE 802.3, IEEE 802.3u
Dimensions (W x D x H)	95*70*25mm
Power supply	DC 12V 1A
Security technology	128-DES Data encryption and Key management
Physical layer transmission rate	200Mbps
Transmission distance	2KM
Support operating system	Windows 98/ME/NT/2003/7, Windows XP Home/Pro, Mac OSX , Linux
Operating voltage range	AC 100V-240V 60/50Hz
Operating environment	Operating temperature; 0°C ~ +50°C Storage temperature: -20°C ~ +70°C Operating humidity: 5%-90%

Transmission Distance

Transmission Distance	Coaxial Cable SVY75-5	Twisted-pair cable Cat5e	Telephone Wire
300M	100Mbps	78Mbps	65Mbps
600M	90Mbps	65Mbps	55Mbps
1200M	78Mbps	60Mbps	35Mbps
1500	50Mbps	40Mbps	25Mbps
2000M	30Mbps	25Mbps	15Mbps

Connection Diagram



Ordering Information

Model	Description
NF-1801	10/100M 1*BNC+1*LAN Ethernet over Coaxial Extender, Transmission Distance:1.5km Power Supply: 12V
NF-1802	10/100M 1*2-wire+1*LAN Ethernet over Coaxial Extender, Transmission Distance:1.5km Power Supply: 12V
NF-1804T	10/100M 1*BNC+4*LAN (Slave) Ethernet over Coaxial Extender, Transmission Distance: 1.5km
NF-1804R	10/100M 4*BNC+1*LAN (Master) Ethernet over Coaxial Extender, Transmission Distance: 1.5km
NF-6801	10/100M 1*BNC+1*LAN Ethernet over Coaxial Extender, EOC+ POC, Transmission Distance: 900 meters, Power Supply: 48V
NF-9801	10/100M 1*BNC+1*LAN Ethernet over Coaxial Extender with POE function, Transmission Distance:200~300 meters, Power Supply: 48V-52V
NF-9802	10/100M 1*2-wire+1*LAN Ethernet over Coaxial Extender with POE function, Transmission Distance:200~300 meters, Power Supply: 48V-52V