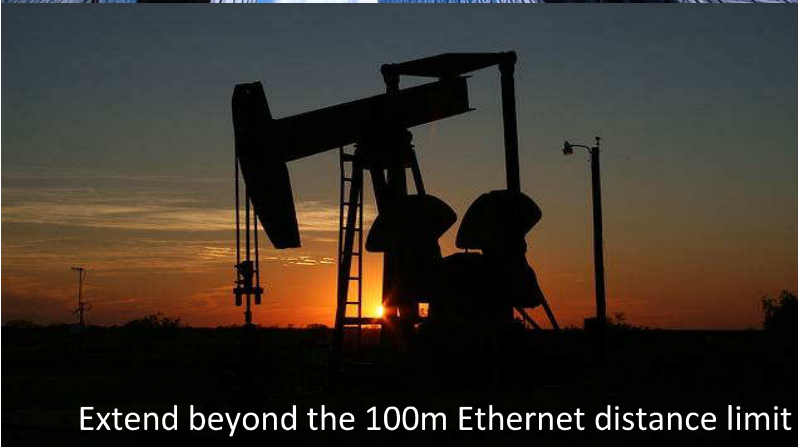
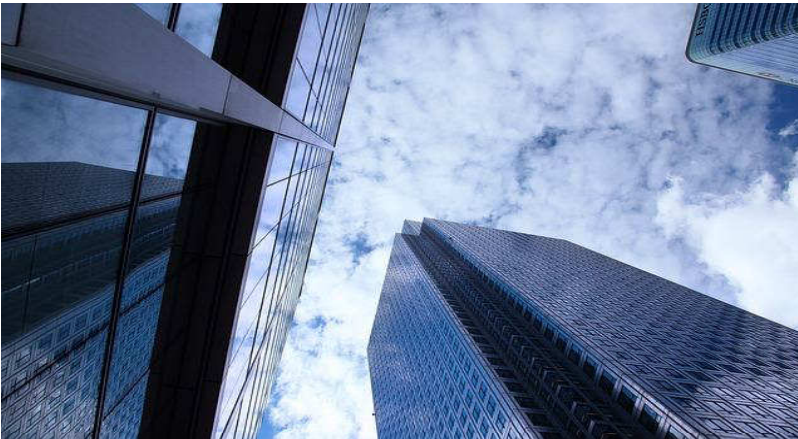
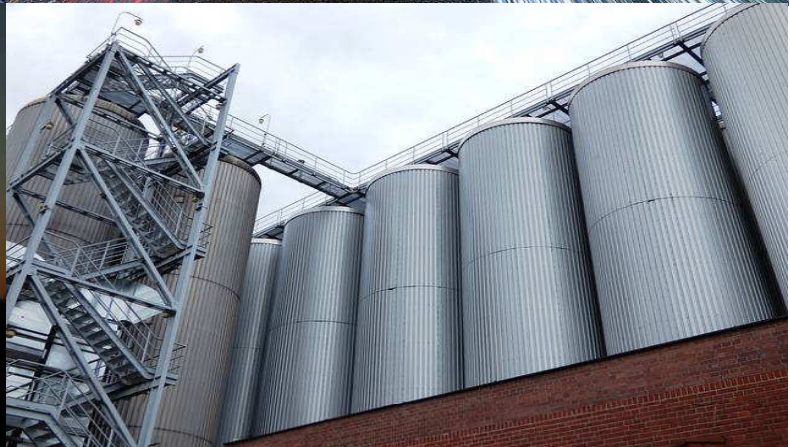




2017 PRODUCT GUIDE



Extend beyond the 100m Ethernet distance limit



- Industrial Ethernet
- Broadband Communication
- Ethernet Extenders
- HomePNA
- Media Converters



NV-202

VDSL2 LAN extender

The NV-202 is our low cost LAN extension solution using the G.993.2 VDSL2 standard technology and providing up to 100Mbps symmetric using only a single copper wire pair. Designed specifically for a LAN to LAN extension and supporting both symmetrical and asymmetrical transmission at up to 100/100Mbps within 300 meters and 5/1Mbps at 3000 meters, this is a perfect solution to extend LAN to buildings, hotels, hospitals or any location outside of the 100 meters reach of Ethernet UTP.

Features

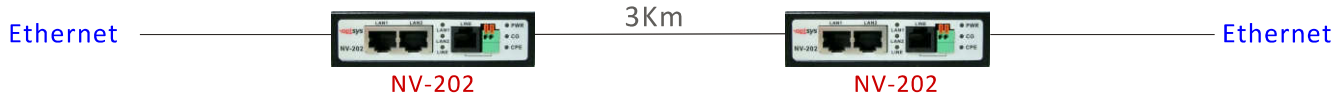
- Cost effective bridge function to connect two Ethernet LANs
- 100/100Mbps @ 300m (984ft)
- 5/1 Mbps @ 3km (9842ft)
- Compact size and DIN rail support
- Selectable CO and CPE mode via DIP switch
- Selectable fast and interleaved mode
- Selectable target band plan
- Selectable target SMR margin 9dB or 6dB

Specifications

LAN Interface	Complies with IEEE 802.3 10Base-T and 802.3u 100Base-TX Connector: 2 x RJ-45 10/100Mbps MTU: 1536 bytes
VDSL2 Interface	Complies with ITU-T G993.2 Connector: RJ-11/Terminal block DMT Encoding/PTM Transmission On-board surge protection
4-position DIP Switch	Selectable CO or CPE mode Selectable Band plan Selectable target SNR Margin Selectable INP and interleave mode
Chipset	Metanoia

Indicators	LAN:Act/Link, Power VDSL2:Act/Link, Line Mode: CO/CPE
Power	DC 12V via AC switching adapter
Power Consumption	5W
Dimensions	95 x 110 x 27 mm (3.74" x 4.33" x 1.06")
Weight	About 0.34Kg
Temperature	0~50°C (Operating), -20~70°C (Storage)
Humidity	10 - 90% non-condensing
Certification	CE, FCC, RoHS Compliant
MTBF	50,000 hrs

Application



Ordering Information

Model Name	Description
NV-202	VDSL2 LAN extender

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*Netsys reserves the right to change specifications without prior notice



NV-202

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NV-202P

VDSL2 LAN extender with PoE

The NV-202P is our low cost LAN extension solution using the G.993.2 VDSL2 standard technology and providing up to 100Mbps symmetric using only a single copper wire pair. Designed specifically for a LAN to LAN extension and supporting both symmetrical and asymmetrical transmission at up to 100/100Mbps within 300 meters and 5/1Mbps at 3000 meters, this is a perfect solution to extend LAN with PoE for IP Surveillance or PoE powered devices at any location outside of the 100 meters reach.

Features

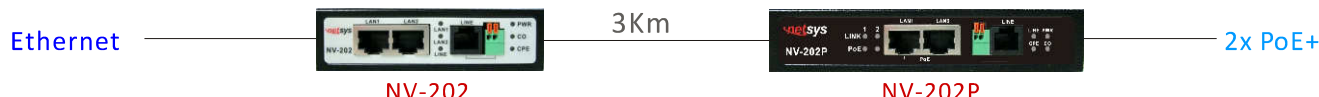
- Cost effective bridge function to connect two PoE LANs
- Auto-detect IEEE 802.3af/at equipment
- Supports mid-span PoE mode
- Compact size and DIN rail support
- Selectable CO and CPE mode via DIP switch
- Selectable target band plan
- Selectable fast and interleaved mode
- Selectable target SNR margin 9dB or 6dB

Specifications

LAN Interface	Complies with IEEE 802.3 10Base-T 802.3u 100Base-TX, IEEE802.3af/at Connector: 2 x RJ-45 with PoE MTU: 1536 bytes
VDSL2 Interface	Complies with ITU-T G993.2 Connector: RJ-11/Terminal block DMT Encoding/PTM Transmission On-board surge protection
4-position DIP Switch	Selectable CO or CPE mode Selectable target band plan Selectable target SNR Margin Selectable INP and interleave mode
Chipset	Metanoia

Indicators	LAN:Act/Link, PoE VDSL2: Act/Link, Line Mode: CO/CPE
Power	DC 48V via ACswitching adapter
Power Output	30W Maximum (power injector)
Dimensions	137 x 100 x 27 mm (5.39" x 3.94" x 1.06")
Weight	About 423g
Temperature	0~50°C (Operating), -20 ~70°C (Storage)
Humidity	10 - 90% non-condensing
Certification	CE, FCC, RoHS Compliant
MTBF	50,000 hrs

Application



Ordering Information

Model Name	Description
NV-202P	VDSL2 LAN extender with PoE

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*Netsys reserves the right to change specifications without prior notice



NV-202P

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NV-202M/S

Ethernet Extender with Remote Power

NV-202M/S solution works in pairs for point to point connectivity. It features NV-202M can transmit data and power over a single pair of copper UTP wire up to 1000m(3,280feet). Without the need for local power supply, NV-202S can provide power budget of 25 Watts to PoE ports. Operators are able to deploy PoE devices in any locations, installing security IP Cameras, wireless access point security / VOIP, or access control systems in any place where you have basic wire connectivity.

Features

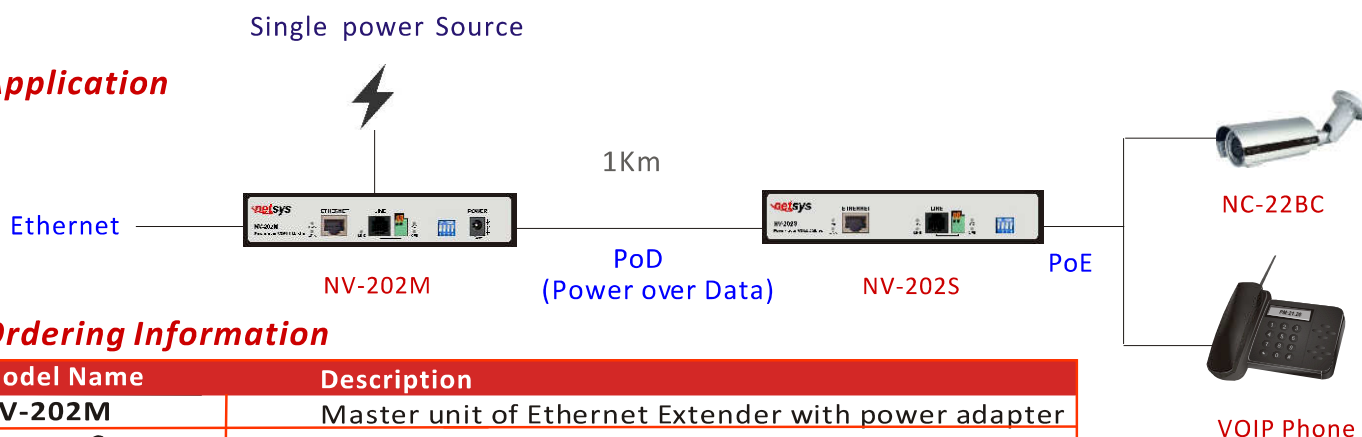
- Complies with IEEE802.3at PoE
- Supports terminal block
- Metal case and DIN rail (optional)
- Wall-Mounting
- OAP/OVP/power short circuit protection
- Combine data and power over single pair of twisted phone cable
- Selectable CO and CPE mode via DIP switch
- Selectable target band plan
- Selectable interleaved delay time

Specifications

Interface	1 x RJ-11 for single pair VDSL line port 1 x Terminal block for VDSL line port 1 x RJ-45 PoE / Ethernet or LAN port
VDSL2 Interface	Complies with ITU-T G993.2 DMT Encoding/PTM Transmission On-board surge protection
4-position DIP Switch	Selectable CO or CPE mode Selectable target band plan Selectable target SNR Margin Selectable INP and interleave mode
Chipset	Metanoia

Indicators	Power/Remote power for system Link/Active for Ethernet port PoV: Link for Line port
Power	DC 48V via AC switching adapter
Dimensions	169 x 121 x 35 mm (6.65" x 4.47" x 1.38")
Weight	About 0.68Kg
Temperature	0~50 C (Operating), -20~70 C (Storage)
Humidity	10 - 90% non-condensing
Certification	CE, FCC, RoHS Compliant

Application



Ordering Information

Model Name	Description
NV-202M	Master unit of Ethernet Extender with power adapter
NV-202 S	Slave unit of Ethernet Extender with PoE
NV-202PoV	NV-202M+NV-202S

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NV-600A

Managed VDSL2 CPE Router

NV-600A is a managed VDSL2 CPE router equipped with four Gigabit LAN ports. It is compliant to ITU-T G.993.2 and G.993.5 standards and supports VDSL2 30a profile that features 100Mbps of symmetric data and it is perfectly suitable for triple-play applications. NV-600A is a cost effective solution that delivers high-speed Internet access to end-users over existing copper wire infrastructure and is designed to meet the ISPs requirements with future proof Vectoring and ADSL2+ compatibility to cover end users in different loop range areas.

Features

- Supports G.993.5 Vectoring and ADSL2+
- Interoperable with major VDSL2 chipsets
- Supports up to VDSL2 profile 30a
- Supports up to 100 Mbps symmetric
- Supports Dying Gasp
- Supports SNMP v1/ v2c /v3
- Supports 802.1q VLAN tagging
- Configuration backup and restoration
- Security protection with firewall
- Supports Router and Bridge mode
- Supports Dual Firmware Image Backup

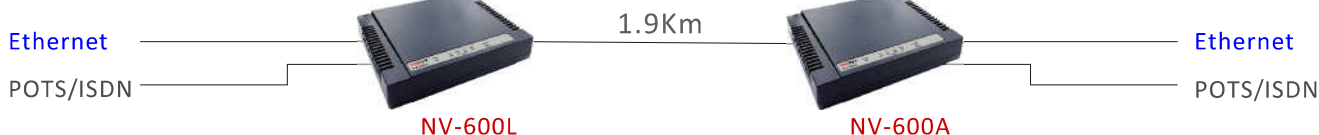
Specifications

Physical Interface	IEEE 802.3 10Base-T, 802.3u 100Base-TX, and 802.3z 1000Base-TX 4x RJ-45 10/100/1000Mbps MTU: 1680 bytes (Jumbo frame) 1x RJ-11 for POTS/ISDN Reset Button (Factory Reset)
VDSL2 Interface	Complies with ITU-T G993.2, G993.5 Connector: RJ-11/Terminal block PTM/ATM Transmission On-board surge protection
Indicators	LAN: Act/Link, Power; VDSL2: Act/Link
QoS	8 queues MFC/DSCP 802.1p VLAN priority

Routing	IP Multicast, IGMP Proxy, Snooping Static Routing IPv4, IPv6 forwarding DHCP Server/Relay/Client IPv4/IPv6 DNS Proxy and Relay, NTP Client
Firewall	IPv6 Firewall Packet, URL filtering Parental Control, DMZ Host
Power	DC 12V
Dimensions	184 x 146 x 40 mm (7.2" x 5.74" x 1.57")
Temperature	0~50°C (Operating), -20~70°C (Storage)
Humidity	10 - 90% non-condensing
Certification	CE, FCC, RoHS Compliant
Chipset	Lantiq(Infinion)

Application

Point to Point



Ordering Information

Model Name	Description
NV-600A	Managed VDSL2 CPE Router

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NV-600A

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NV-600W

Wireless VDSL2 Router

NV-600W is an VDSL2 802.11n Wireless router equipped with four Gigabit LAN ports. It is compliant to ITU-T G.993.2 and G.993.5 standards and supports VDSL2 profile 30a that features 100Mbps of symmetric data. With built-in 802.11n technology, it can deliver wireless speeds up to 300Mbps and is perfectly suitable for triple-play applications. NV-600W is designed to meet the ISPs requirements with future proof Vectoring and ADSL2+ compatibility to cover end users in different loop range areas.

Features

- Supports G.993.5 Vectoring and ADSL2+
- Interoperable with major VDSL2 chipsets
- 802.11n 300Mbps Wi-Fi
- Supports Wi-Fi Protected Setup (WPS)
- Supports Dying Gasp
- Port Based VLAN & 802.1q VLAN tagging
- Configuration backup and restoration
- Security protection with firewall
- Supports Router and Bridge mode
- Supports Dual Firmware Image Backup

Specifications

Physical Interface	IEEE 802.3 10Base-T, 802.3u 100Base-TX, and 802.3z 1000Base-TX 4 x RJ-45 10/100/1000Mbps MTU: 1680 bytes Antennas: 2 x 2dBi (5dBi Optional) WPS Push button 1 x RJ-11 for POTS/ISDN Reset Button (Factory Reset)
VDSL2 Interface	Complies with ITU-T G993.2, G993.5 Connector: RJ-11 / Terminal block PTM/ATM Transmission On-board surge protection
Indicators	LAN: Act/Link, Power VDSL2: Link/WAN, WLAN, WPS
Chipset	Lantiq (Infineon)

Routing	IP Multicast, IGMP Proxy, Snooping Static Routing IPv4, IPv6 forwarding DHCP Server/Relay/Client IPv4/IPv6 DNS Proxy and Relay, NTP Client
Firewall	IPv6 Firewall Packet, URL filtering Parental Control, DMZ Host
QoS	8 queues MFC/DSCP 802.1p VLAN priority
Power	DC 12V
Dimensions	184 x 158 x 104 mm (7.2" x 6.22" x 4.1")
Temperature	0~50°C (Operating), -20~70°C (Storage)
Humidity	10 - 90% non-condensing
Certification	CE, FCC, RoHS Compliant

Application

Point to Point

Ethernet

POTS/ISDN



NV-600L

1.9Km



NV-600W



802.11n

Ethernet

POTS/ISDN

Ordering Information

Model Name	Description
NV-600W	Wireless VDSL2 Router

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*Netsys reserves the right to change specifications without prior notice



NV-600W

www.netsys.com.tw



NV-802S

8-Port VDSL2 IP DSLAM

NV-802S is a compact 8-port VDSL2 IP DSLAM with 2 Gigabit Ethernet Combo interfaces and built-in POTS/ISDN splitter. It is compliant to ITU-T G.993.2 standard and supports VDSL2 30a profile that features 100 Mbps of symmetric data rate over the existing copper wires. NV-802S is an ideal choice for ISPs and System Integrators that are looking for a high performance broadband solution for their triple play applications.

It offers a user-friendly management interface that allows service providers to monitor and control their services in a highly secure and efficient way. With many powerful and advanced features, this Mini IP DSLAM is the perfect solution for deploying broadband access, IP Surveillance, Hospitality and MTU/MDU applications.

Features

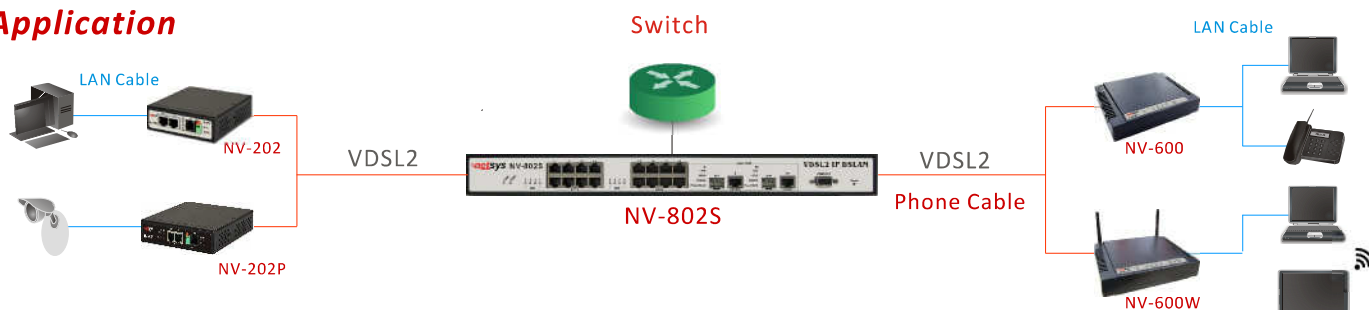
- 1U design, 8 VDSL2 ports with POTS/ISDN splitter
- Supports VDSL2 profile 30a
- Supports UPBO, DPBO, Trellis coding and INP
- Supports up to 100 Mbps symmetric
- Supports IEEE802.1d/w/S STP/ RSTP/ MSTP spanning tree
- Supports traffic classification QoS, TOS and DSCP
- Supports Jumbo packet up to 9k byte
- Bandwidth management (Rate Control)

Specifications

Interface	8 x RJ-45 VDSL2 ports/8 x RJ45 POTS/ISDN ports 2 x Gigabit Ethernet combo port (100/1000Base-T and SFP) 1 x RS-232 console port
Indicators	System: PWR, POST Gigabit Port: LINK/ACT/Speed/Collision VDSL2: LINK
Standards	VDSL2 ITU-T G993.2 up to VDSL2 profile 30a DHCP/Client/Relay/Option 82. IEEE 802.1q VLAN Tag Base (Q in Q) IEEE 802.1d Spanning Tree Protocol (STP) IEEE 802.3/802.3u/802.3ab/802.3z
Chipset	Lantiq (Infineon)

Protocols	SNMP V1/V2/V3 Multicast IP table/IGMP V2 Up to 512 Multicast Channels Link Layer Discovery Protocol
Power Consumption	37 Watts maximum
Dimensions	435 x 255 x 44 mm (17.13" x 10.04" x 1.73")
Weight	About 3.2Kg
Temperature	0~50°C (Operating), -20~70°C (Storage)
Humidity	10 - 90% non-condensing
Certification	CE, FCC, RoHS Compliant

Application



Ordering Information

Model Name	Description
NV-802S	8-port VDSL2 IP DSLAM

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*Netsys reserves the right to change specifications without prior notice



NV-802S

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NV-1602S

16-Port VDSL2 IP DSLAM

NV-1602S is a compact 16-port VDSL2 IP DSLAM with 2 Gigabit Ethernet Combo interfaces and built-in POTS/ISDN splitter. It is compliant to ITU-T G.993.2 standard and supports VDSL2 30a profile that features 100 Mbps of symmetric data rate over the existing copper wires. NV-1602S is an ideal choice for ISPs and System Integrators that are looking for a high performance broadband solution for their triple play applications.

It offers a user-friendly management interface that allows service providers to monitor and control their services in a highly secure and efficient way. With many powerful and advanced features, this IP DSLAM is the perfect solution for deploying broadband access, IP Surveillance, Hospitality and MTU/MDU applications.

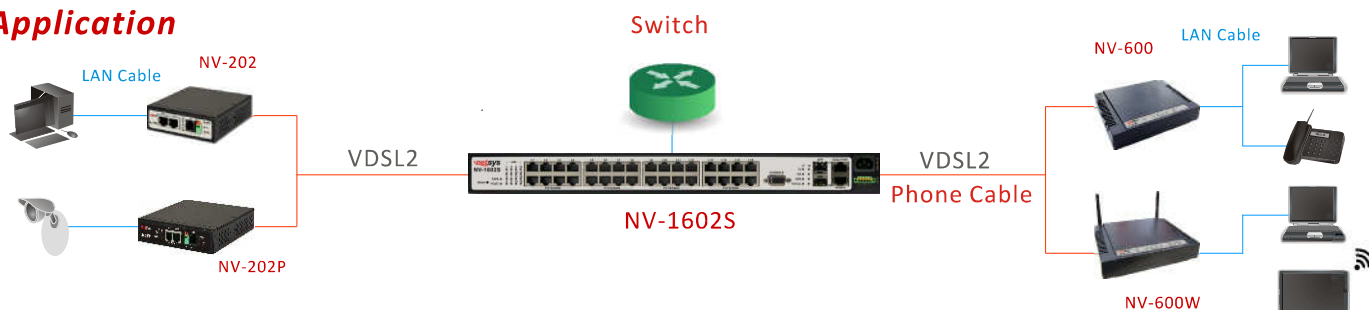
Features

- 1U design, 16VDSL2 ports with POTS/ISDN splitter
- Supports IEEE802.1d/w/S STP/ RSTP/ MSTP spanning tree
- Supports UPBO, DPBO, Trellis coding and INP
- Supports up to 100 Mbps symmetric
- -48V DC / 100~240V AC Input Power Redundant
- Supports traffic classification QoS, TOS and DSCP
- Supports Jumbo packet up to 9k byte
- Bandwidth management (Rate Control)

Specifications

Interface	16 x RJ-45 VDSL2 ports / 16 x RJ45 POTS/ISDN ports 2 x Gigabit Ethernet combo port (100/1000Base-T and SFP) 1 x RS-232 console port	Protocols	SNMP V1/V2/V3 Multicast IP table/IGMP V2 Up to 512 Multicast Channels Link Layer Discovery Protocol
Indicators	System: PWR, POST Gigabit Port: LINK/ACT/Speed/Collision VDSL2: LINK	Power Supply	DC: Dual A+B -48V DC power input (-36V to -75V) AC: 50/60 Hz, 100~240V AC power input
Standards	VDSL2 ITU-T G993.2 up to VDSL2 profile 30a DHCP/Client/Relay/Option 82. IEEE 802.1q VLAN Tag Base (Q in Q) IEEE 802.1d Spanning Tree Protocol (STP) IEEE 802.3/802.3u/802.3ab/802.3z	Dimensions	443 x 393 x 44 mm (17.44" x 15.47" x 1.73")
Chipset	Lantiq (Infineon)	Weight	About 5.3Kg
		Temperature	0~45°C (Operating), -20~70°C (Storage)
		Humidity	10 - 90% non-condensing
		Certification	CE, FCC, RoHS Compliant

Application



Ordering Information

Model Name	Description
NV-1602S	16-port VDSL2 IP DSLAM

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*Netsys reserves the right to change specifications without prior notice



NV-1602S

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NV-2400H

24-Port VDSL2 IP DSLAM

NV-2400H is a compact 24-port VDSL2 IP DSLAM with 2 Gigabit Ethernet Combo interfaces and built-in POTS/ISDN splitter. It is compliant to ITU-T G.993.2 standard and supports VDSL2 30a profile that features 100 Mbps of symmetric data rate over the existing copper wires. NV-2400H is an ideal choice for ISPs and System Integrators that are looking for a high performance broadband solution for their triple play applications.

It offers a user-friendly management interface that allows service providers to monitor and control their services in a highly secure and efficient way. With many powerful and advanced features, this Mini IP DSLAM is the perfect solution for deploying broadband access, IP Surveillance, Hospitality and MTU/MDU applications.

Features

- 1.5 U design, 24 VDSL2 ports with POTS/ISDN splitter
- Supports VDSL2 profile 30a
- Supports IEEE 802.1q tagging VLAN with Q-IN-Q
- Supports up to 100 Mbps symmetric
- Supports interleaved delay for noise resistant and data loss.
- Supports traffic classification QoS, TOS and DSCP
- Supports Jumbo packet up to 9k byte
- Bandwidth management (Rate Control)

Specifications

Interface 2 x RJ-21 connector for 24 x VDSL2 ports/ POTS
2 x Copper/Fiber combo gigabit port
1 x console port (RJ-45/115200bps)
1x RJ-45 Alarm port for 4 Alarm inputs

Indicators System: PWR
Gigabit Port: LINK/ACT/Speed/Collision
Alarm: Run
VDSL2: LINK

Standards VDSL2 ITU-T G993.2 up to VDSL2 profile 30a
IEEE 802.3/802.3u/802.3ab/802.3z
IEEE 802.1q VLAN Tag Base (Q in Q)
IEEE 802.1d Spanning Tree Protocol (STP)

Protocols IGMP Snooping/Proxy v1, v2 and v3
Multicast MAC address mapping
Up to 512 Multicast Channels
Fast and Normal Leave Modes

Power Consumption 90 Watts maximum

Dimensions 435 x 260 x 67 mm (17.13" x 10.24" x 2.64")

Temperature -10~50°C (Operating), -40~70°C (Storage)

Humidity 5 - 95% non-condensing

Certification CE, FCC, RoHS Compliant

Chipset Metanoia

Application



Ordering Information

Model Name	Description
NV-2400H	24-port VDSL2 IP DSLAM

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NV-2400H

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Industrial-Grade Ethernet Extenders

*Designed to work reliably
in adverse conditions*

Factory floors
Traffic control
Train stations
Building Automation
Industrial controls

G993.2 VDSL2
Standard

12~48VDC
Redundant Power
Input

Band Profiles
17a, 30a

Operating Temp.
-20~70 °C
(-4~158 °F)

DIN-Rail
Installation

IP-30
Protection





NV-500

Industrial VDSL2 LAN extender

The NV-500 is our industrial LAN extension solution using the G.993.2 VDSL2 standard technology and providing up to 100Mbps symmetric put using only a single copper wire pair that provides stable and reliable Ethernet transmission. Housed in metal DIN rail enclosures, these extenders are designed for harsh environments, such as industrial networking, intelligent transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications. Wide operating temperature range models (-20 to 70°C) fulfill the special needs of industrial automation applications.

Features

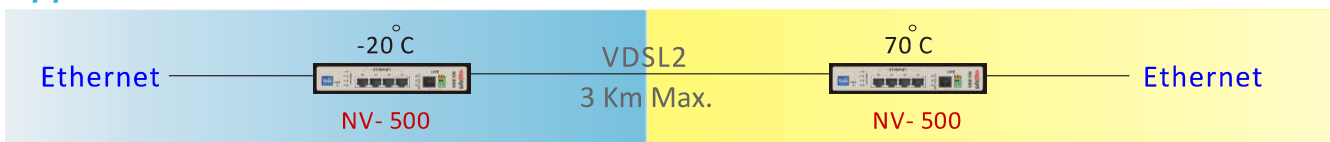
- Redundant dual DC input power 12~48VDC
- Wide operating temperature -20~70°C
- Supports power failure alarm by relay
- IP30 metal housing and DIN rail support
- Selectable CO and CPE mode via DIP switch
- Selectable fast and interleaved mode
- Selectable target band plan
- Selectable target SNR margin 9dB or 6dB

Specifications

LAN Interface	Complies with IEEE 802.3 10Base-T and 802.3u 100Base-TX Connector: 4 x RJ-45 10/100 Mbps MTU: 1536 bytes
VDSL2 Interface	Complies with ITU-T G993.2 Connector: RJ-11/Terminal block DMT Encoding/PTM Transmission On-board surge protection
4-position DIP Switch	Selectable CO or CPE mode Selectable Band plan Selectable target SNR Margin Selectable INP and interleave mode
Chipset	Metanoia

Indicators	LAN: Act/Link, Power VDSL2:Act/Link, Line Mode: CO/CPE
Power Supply	Redundant dual DC input power 12~48V (Removable Terminal Block)
Consumption	6W
Dimensions	170 x 121 x 35 mm (6.7" x 4.76" x 1.37")
Weight	About 0.63Kg
Temperature	-20 ~ 70 °C (Operating), -40 ~ 70 °C (Storage)
Humidity	5 - 95% non-condensing
Certification	CE, FCC, RoHS Compliant
MTBF	50,000 hrs

Application



Ordering Information

Model Name	Description
NV-500	Industrial VDSL2 LAN extender

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*Netsys reserves the right to change specifications without prior notice



NV-500

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NV-600AI

Managed Industrial VDSL2 CPE Router

NV-600AI is an Industrial VDSL2 router equipped with four Gigabit LAN ports. It is compliant to ITU-T G.993.2 and G.993.5 standards and supports VDSL2 profile 30a that features 100Mbps of symmetric data. NV-600AI is perfectly suitable for triple-play applications. Housed in metal DIN rail enclosures, these routers are designed for harsh environments, such as industrial networking and utility market applications.

Features

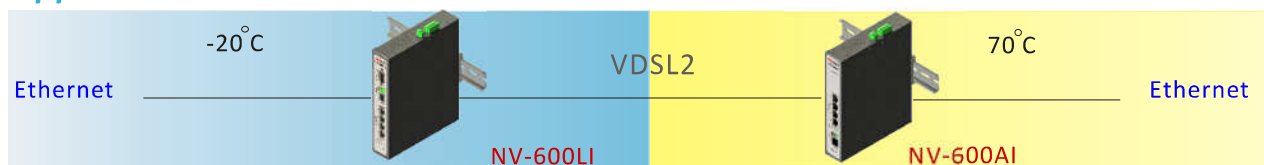
- Supports G.993.5 Vectoring and ADSL2+
- Interoperable with major VDSL2 chipsets
- Supports up to VDSL2 profile 30a
- Supports up to 100 Mbps symmetric
- Supports Dying Gasp
- Supports SNMP v1/ v2c /v3
- Redundant dual DC input power 12~48VDC
- Wide operating temperature -20~70°C
- Supports power failure alarm by relay
- IP 30 metal housing and DIN rail support
- Supports Dual Firmware Image Backup

Specifications

Physical Interface	IEEE 802.3 10Base-T, 802.3u 100Base-TX, and 802.3z 1000Base-TX 4x RJ-45 10/100/1000Mbps MTU: 1680 bytes (Jumbo frame) Reset Button (Factory Reset)
VDSL2 Interface	Complies with ITU-T G993.2, G993.5 Connector: RJ-11/Terminal block PTM / ATM Transmission On-board surge protection
Indicators	LAN: Act/Link, Power VDSL2: Link
QoS	8 queues MFC/DSCP 802.1p VLAN priority
Chipset	Lantiq (Infineon)

Routing	IP Multicast, IGMP Proxy, Snooping Static Routing IPv4, IPv6 forwarding DHCP Server/Relay/Client IPv4/IPv6 DNS Proxy and Relay, NTP Client
Firewall	IPv6 Firewall Packet, URL filtering Parental Control, DMZ Host
Power Supply	Redundant dual DC input power 12~48V (Removable Terminal Block)
Dimensions	182 x 142 x 35.5 mm (7.16" x 5.59" x 1.39")
Weight	About 0.79Kg
Temperature	-20 ~70°C (Operating), -40 ~70°C (Storage)
Humidity	5 - 95 % non-condensing
Certification	CE, FCC, RoHS Compliant

Application



Ordering Information

Model Name	Description
NV-600AI	Managed Industrial VDSL2 CPE Router

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NV-600AI

www.netsys.com.tw



NV-600WI

Industrial Wireless VDSL2 Router

NV-600WI is an Industrial VDSL2 802.11n Wireless router equipped with four Gigabit LAN ports. It is compliant to ITU-T G.993.2 and G.993.5 standards and supports VDSL2 profile 30a that features 100Mbps of symmetric data. With built-in 802.11n technology, it can deliver wireless speeds up to 300Mbps and is perfectly suitable for triple-play applications. Housed in metal DIN rail enclosures, these routers are designed for harsh environments, such as industrial networking and utility market applications.

Features

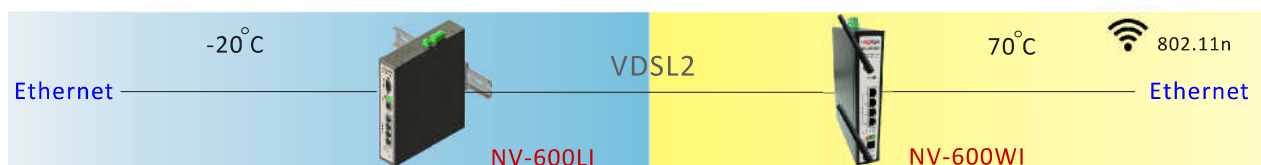
- Supports G.993.5 Vectoring and ADSL2+
- Interoperable with major VDSL2 chipsets
- 802.11n 300Mbps Wi-Fi
- Supports Wi-Fi Protected Setup (WPS)
- Supports Dying Gasp
- Redundant dual DC input power 12~48VDC
- Wide operating temperature -20~70°C
- Supports power failure alarm by relay
- IP 30 metal housing and DIN rail support
- Supports Dual Firmware Image Backup

Specifications

Physical Interface	IEEE 802.3 10Base-T, 802.3u 100Base-TX, and 802.3z 1000Base-TX 4 x RJ-45 10/100/1000Mbps MTU: 1680 bytes Antennas: 2 x 2dBi (5dBi Optional) WPS Push button Reset Button (Factory Reset)
VDSL2 Interface	Complies with ITU-T G993.2, G993.5 Connector: RJ-11/Terminal block PTM/ATM Transmission On-board surge protection
Indicators	LAN: Act/Link, Power VDSL2: Link/WAN, WLAN, WPS
QoS	8 queues MFC/DSCP 802.1p VLAN priority

Routing	IP Multicast, IGMP Proxy, Snooping Static Routing IPv4, IPv6 forwarding DHCP Server/Relay/Client IPv4/IPv6 DNS Proxy and Relay, NTP Client
Firewall	IPv6 Firewall Packet, URL filtering Parental Control, DMZ Host
Power Supply	Redundant dual DC input power 12~48V (Removable Terminal Block)
Dimensions	182 x 150.5 x 35.5 mm (7.16" x 5.92" x 1.39")
Weight	About 0.79Kg
Temperature	-20~70°C (Operating), -40~70°C (Storage)
Humidity	10 - 90% non-condensing
Certification	CE, FCC, RoHS Compliant
Chipset	Lantiq(Infineon)

Application



Ordering Information

Model Name	Description
NV-600WI	Industrial Wireless VDSL2 Router

sales@netsys.com.tw

*Netsys reserves the right to change specifications without prior notice



NV-600WI

www.netsys.com.tw



NC-22BC

2 MP Outdoor Bullet IP Camera

NC-22BC is a 2 Megapixels IP bullet camera, which supports 2-way audio and iOS/ Android/OS X/ Windows. It features external vari-focal 3.6-16mm F 1.2 lens adjustment and 3D+2D digital noise reduction. NC-22BC is full HD 1080p with IP 66 weatherproof standard, its IR distance can reach 25meters. Since NC-22BC supports power over ethernet, it could be connected to Netsys' NV-202P, which is a long reach ethernet extender with PoE, as an application.

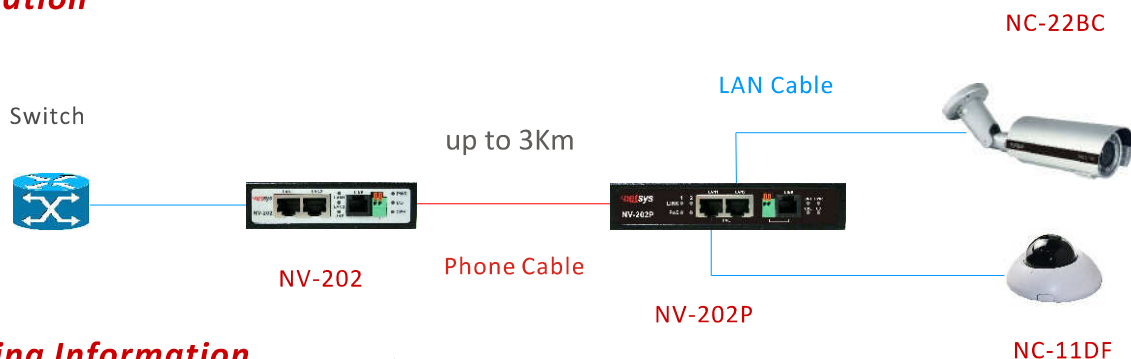
Features

- Supports Power over Ethernet
- External vari-focal lens adjustment
- IR distance up to 25M
- Supports Micro SD card backup(Optional)
- Supports full HD 1080P real time
- Supports iOS/Android/OS X/Windows
- Day & Night switch time control
- 3D+2D Digital Noise Reduction

Specifications

Hardware	RAM: 256MB Image Sensor: 1 / 2.7"2 Megapixel CMOS Sensor Lens Type: Vari-focal Lens 3-10.5 mm View Angle: 34.89°~106.72°(H), 19.38°~61.26°(V) Sensitivity: Color: 0.05 Lux (AGC ON) B / W: 0.01 Lux (AGC ON) Audio: G.711(64K) and G.726(32K,24K) Audio compression Input: 3.5mm phonejack Output: 3.5mm phonejack, supports 2-way	System	Max Resolution:1920x1080 Triple Streaming Image Snapshot Full Screen Monitoring Video Bitrates Adjust: CBR, CVBR Motion Detection: 3 different areas
IR LEDs	LEDs: 35 units, 850nm IR Distance: 25M	Power Consumption	DC 12V Max: 2.76W(IR OFF); 4.80W(IR ON) PoE Max: 3.84W(IR OFF); 6.72W(IRON)
		Dimensions	83 x 180mm
		Temperature	-10 ~50°C
		Weight	1350g
		Certification	CE, FCC, LVD, RoHS Compliant

Application



Ordering Information

Model Name	Description
NC-22BC	2 MP Outdoor Bullet IP Camera

sales@netsys.com.tw

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NC-22BC

www.netsys.com.tw



NC-11DF

1 MP Indoor Dome IP Camera

NC-11DF is a 1 / 4" 1 Megapixel CMOS sensor IP camera with a built-in web server. It supports 2-way audio and 3D+2D digital noise reduction. The user can view real-time video via IE browser, and the video can be stored in Micro SD card and playback remotely. NC-11DF is HD 720P real time, its IR distance can reach 5meters. Since NC-11DF supports power over ethernet, it could be connected to Netsys' NV-202P, which is a long reach ethernet extender with PoE, as an application.

Features

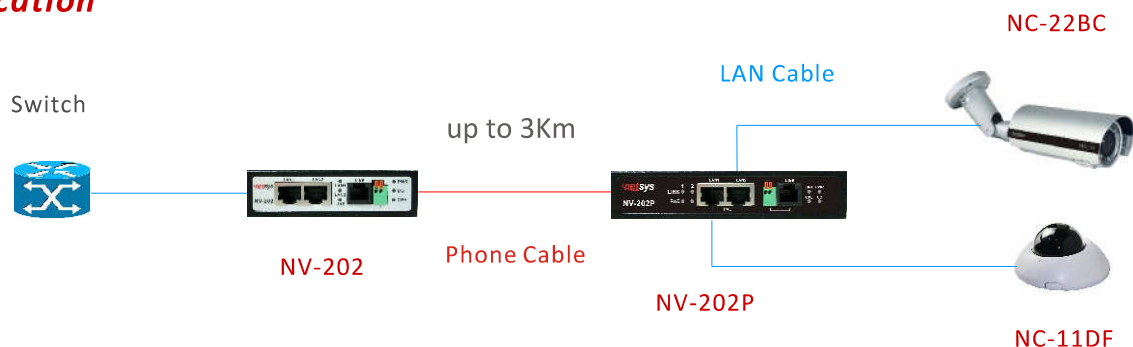
- Supports Power over Ethernet
- Supports 2-way audio
- IR distance up to 5M
- Supports Micro SD card backup(Optional)
- Supports HD 720P real time
- Supports iOS/Android/OS X/Windows
- Day & Night switch time control
- 3D+2D Digital Noise Reduction

Specifications

Hardware	RAM: 128MB
	Image Sensor: 1 / 4"1 Megapixel CMOS sensor
	Lens Type: 2.8mm @ F1.8
	View Angle: 77.79°(H), 49.55°(V)
	Sensitivity: Color: 0.2 Lux (AGC ON)
	B / W: 0.1 Lux (AGC ON)
	Audio: G.711(64K) and G.726(32K,24K)
	Audio compression
	Input: Mic built-in
	Output: External Line out
IR LEDs	LEDs: 6 units, 850nm
	IR Distance: 5M

System	Max Resolution:1280x800
	Triple Streaming
	Image Snapshot
	Full Screen Monitoring
	Video Bitrates Adjust: CBR, CVBR
	Motion Detection: 3 different areas
Power	DC 12V Max: 1.92W(IR OFF); 2.52W(IR ON)
Consumption	PoE Max: 2.88W(IR OFF); 3.36W(IR ON)
Dimensions	100 x 49 mm
Temperature	0 ~ 40°C
Weight	180g
Certification	CE, FCC, LVD, RoHS Compliant

Application



Ordering Information

Model Name	Description
NC-11DF	1MP Indoor Dome IP Camera

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NC-11DF

www.netsys.com.tw



NC-11DF KIT

IP Camera Extension KIT

The IP Camera Extension KIT is a bundle which includes NC-11DF, NV-202 and NV-202P. NC-11DF is a 1 / 4"1Megapixel CMOS sensor IP camera with a built-in web server. NV-202 is our low cost LAN extension solution providing up to 100Mbps symmetric using only a single copper wire pair. NV-202P is a perfect solution to extend LAN with PoE for IP Surveillance or PoE powered devices at any location outside of the 100 meters reach.

Contents

NC-11DF



- Supports HD 720P real time
- Supports iOS/Android/OS X/Windows
- Day & Night switch time control
- 3D+2D Digital Noise Reduction
- Supports Power over Ethernet
- Supports 2-way audio
- IR distance up to 5M
- Supports Micro SD card backup (Optional)

NV-202P



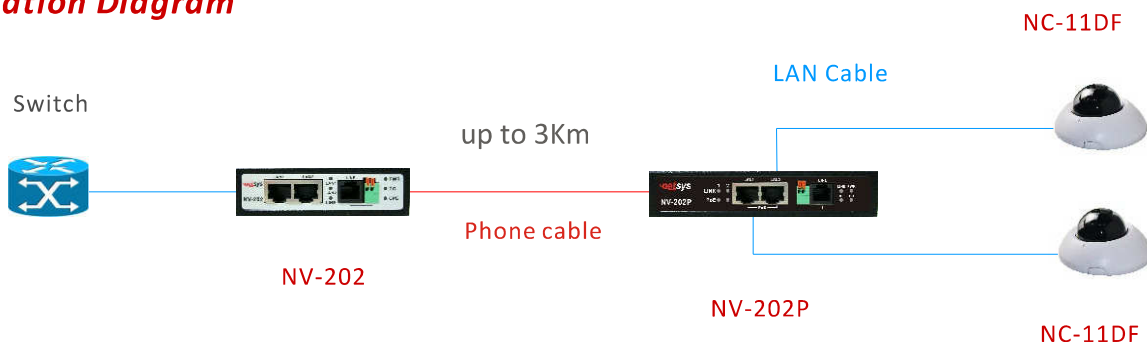
- Supports high bandwidth up to 100Mbps
- Supports long packet size up to 1536 bytes
- Supports mid-span PoE mode
- Cost effective bridge function to connect two PoE LANs

NV-202



- Long reach up to 3Kms
- 100/100 Mbps within 300m
- Selectable fast and interleaved mode
- Cost effective bridge function to connect two Ethernet LANs

Application Diagram



Ordering Information

Model Name	Description
NC-11DF KIT	1x NC-11DF+1x NV-202+1x NV-202P

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NC-11DF KIT

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