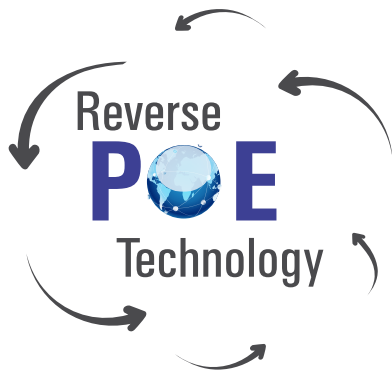




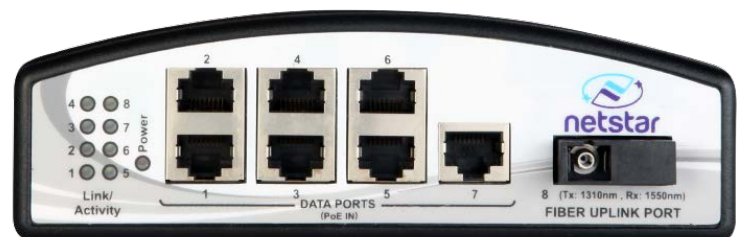
## *Revolutionary Products For The ISPs / WISPs*



**Model No: NS-RP071F-13T**

**NS-RP071F-15T**

**Reverse PoE Switch with Fiber Uplink Port**



## Reverse PoE Switch with Fiber Uplink Port



This switch is the combination of Reverse PoE Switch & Fiber Media Converter. This switch has Fiber Uplink Port(Single Fiber - SC), so no need of Fiber Media converter at last mile building. With Fiber Uplink Port ISPs can share Single Fiber Uplink with multiple client by using Ethernet cable. This switch can be powered using any standard PoE Injector (24VDC, 0.5~1 AMP). RPoE Switch can draw the necessary power even from a single client. This eliminates the need of UPS / Power Backup at building top. No need to pay to the Building Owner / Any Client for 24 power backup. Overall the RPoE switch saves a lot of money and time for ISP.

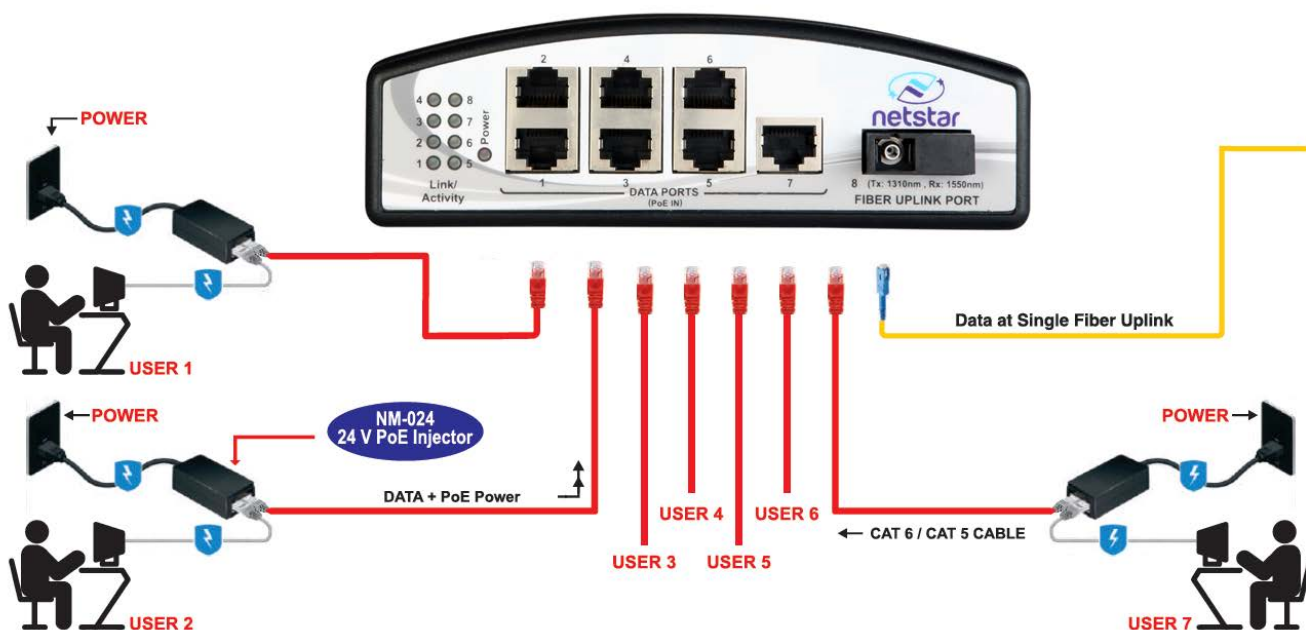
## Features

- ▲ **Intelligent Power Management Feature** : Switch can be powered using remote power / reverse power from customer using any standard PoE Injector (24VDC, 0.5~1Amp).
- ▲ **Supports Auto-Negotiation** : Each of the Switch ports automatically detect whether connected network devices are running at 10Mbps / 100Mbps and adjusts the speed and mode accordingly ensuring easy and hassle-free operation.
- ▲ **Supports Non-Blocking Wire Speed** : The switch forwards and receives traffic seamlessly with its non-blocking wire-speed.
- ▲ **Port Based Isolation** : Data of the uplink port can be transfer to any of the downlink ports but the individual downlink ports can't communicate with each other. Port isolation can be enabled/disabled using DIP button.
- ▲ **Surge Protection** : Surge protection provided on each port to protect against high voltage surge on data ports or uplink port.
- ▲ **Over Voltage Protection** : Over voltage protection is provided on each data port to eliminate damage caused by high voltage PoE injectors. The switch will stop working if the client connects more than 24VDC PoE injector, the switch will start working again once this high voltage source is removed.
- ▲ **Over Current Protection** : Over current protection is provided to eliminate damage caused due to high current flow.
- ▲ **Cascading** : Switches can be cascaded for more user. Model No. : NS-8FE-RP & NS RP071P-OD are used for cascading with other RPoE models.

# TECHNICAL SPECIFICATION

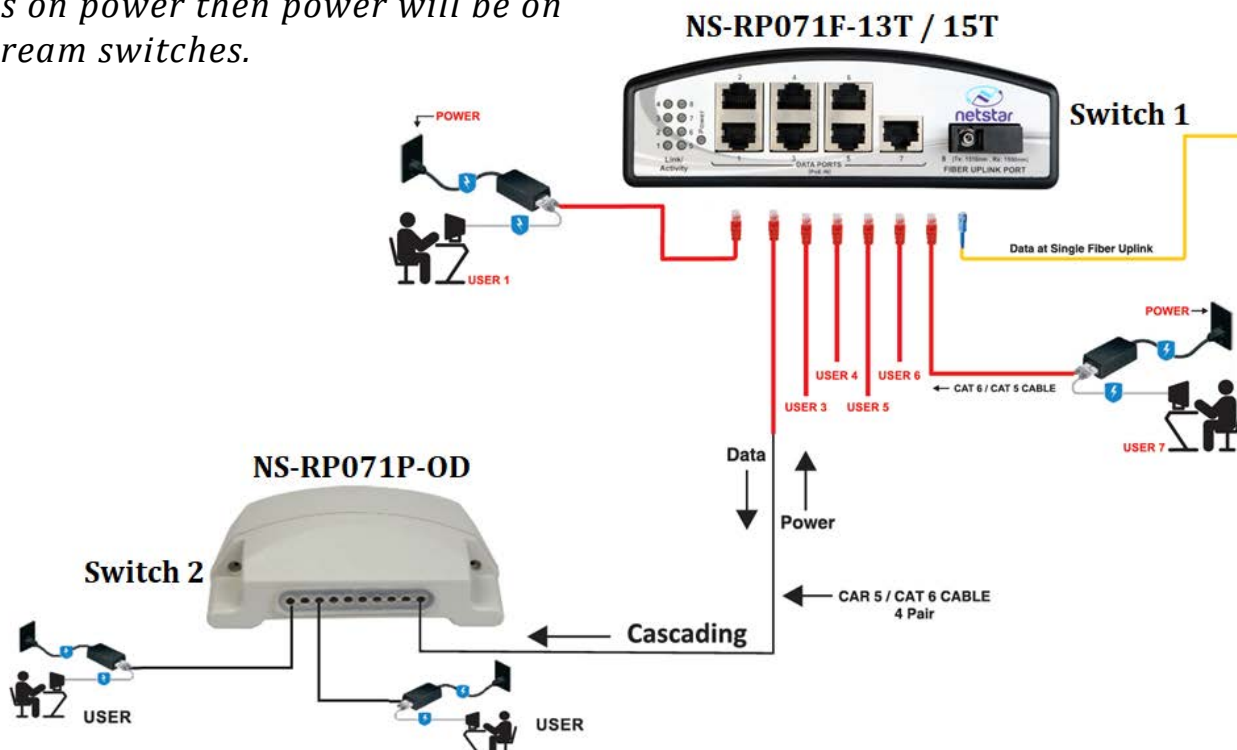
|                                                           |                                                                                                                                                                                                                  |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>                                       | NS-RP071F-13T   NS-RP071F-15T                                                                                                                                                                                    |
| <b>Ethernet Connector</b>                                 | Uplink : 1 x 10/100Mbps Fiber Port SC Connector                                                                                                                                                                  |
|                                                           | Downlink : 7 x 10/100Mbps Data + PoE In Ports                                                                                                                                                                    |
| <b>Standards</b>                                          | IEEE Std. 802.3 10BASE-T 10Mbps, Half/Full Duplex<br>IEEE Std. 802.3u 100BASE-TX, 10/100Mbps, Half/Full Duplex<br>IEEE Std. 802.3x Flow control and Back-pressure<br>IEEE Std. 802.3az Energy Efficient Ethernet |
| <b>Protocols</b>                                          | CSMA/CD                                                                                                                                                                                                          |
| <b>Transmission Method</b>                                | Store and Forward                                                                                                                                                                                                |
| <b>MAC Address</b>                                        | 1K MAC address                                                                                                                                                                                                   |
| <b>Packet Buffer</b>                                      | Embedded 448K bits packet buffer                                                                                                                                                                                 |
| <b>Maximum Forwarding Packet Length</b>                   | 1536 bytes                                                                                                                                                                                                       |
| <b>Filtering / Forwarding Rates</b>                       | 100Mbps Port – 148,800pps<br>10Mbps Port – 14,880pps                                                                                                                                                             |
| <b>LEDs</b>                                               | Green : ON - Device On Stable                                                                                                                                                                                    |
|                                                           | Blue(Port 8) : ON - Link Activate,<br>Flashing - Data Transmission                                                                                                                                               |
|                                                           | Red(Ethr 1 to 7) : ON - Link Activate,<br>Flashing - Data Transmission                                                                                                                                           |
| <b>PoE Input Voltage</b>                                  | 24VDC Power Over Ethernet                                                                                                                                                                                        |
| <b>No. of Ethernet Ports that can Power ON the Switch</b> | Anyone / All of the seven Downlink Ports                                                                                                                                                                         |
| <b>Cascading</b>                                          | Switches Can be Cascaded for more User                                                                                                                                                                           |
| <b>Network Cable</b>                                      | 4-pair UTP Cat 5 / Cat 6 cable                                                                                                                                                                                   |
| <b>CAT-5 / Cat-6 Cable Data Lines</b>                     | Pin 1,2 & Pin 3,6                                                                                                                                                                                                |
| <b>CAT-5 / Cat-6 Cable Power Lines</b>                    | +VDC : Pin 4,5 & -VDC : Pin 7,8                                                                                                                                                                                  |
| <b>Power consumption</b>                                  | 2 Watt (for Switch)                                                                                                                                                                                              |
| <b>Operating Temperature</b>                              | 0° to 60°C                                                                                                                                                                                                       |
| <b>Storage environment</b>                                | -20°C ~ 80°C                                                                                                                                                                                                     |
| <b>Operating Humidity</b>                                 | 20% to 95% (non-condensing)                                                                                                                                                                                      |
| <b>Dimensions</b>                                         | 160 X 70 X 53 mm                                                                                                                                                                                                 |
| <b>Net Weight</b>                                         | 0.17 Kg                                                                                                                                                                                                          |

# APPLICATION DIAGRAM



## Cascading Diagram :

*With Cascading, even if one customer switches on power then power will be on all upstream switches.*



## Infonet Technologies

19, Limbani Complex,  
Ambali Bopal Road, Ambali Garn,  
Ahmedabad-380058, Gujarat, INDIA.

+91 79 26764812

+91 9687688966

switch@netstar.in

www.netstar.in

