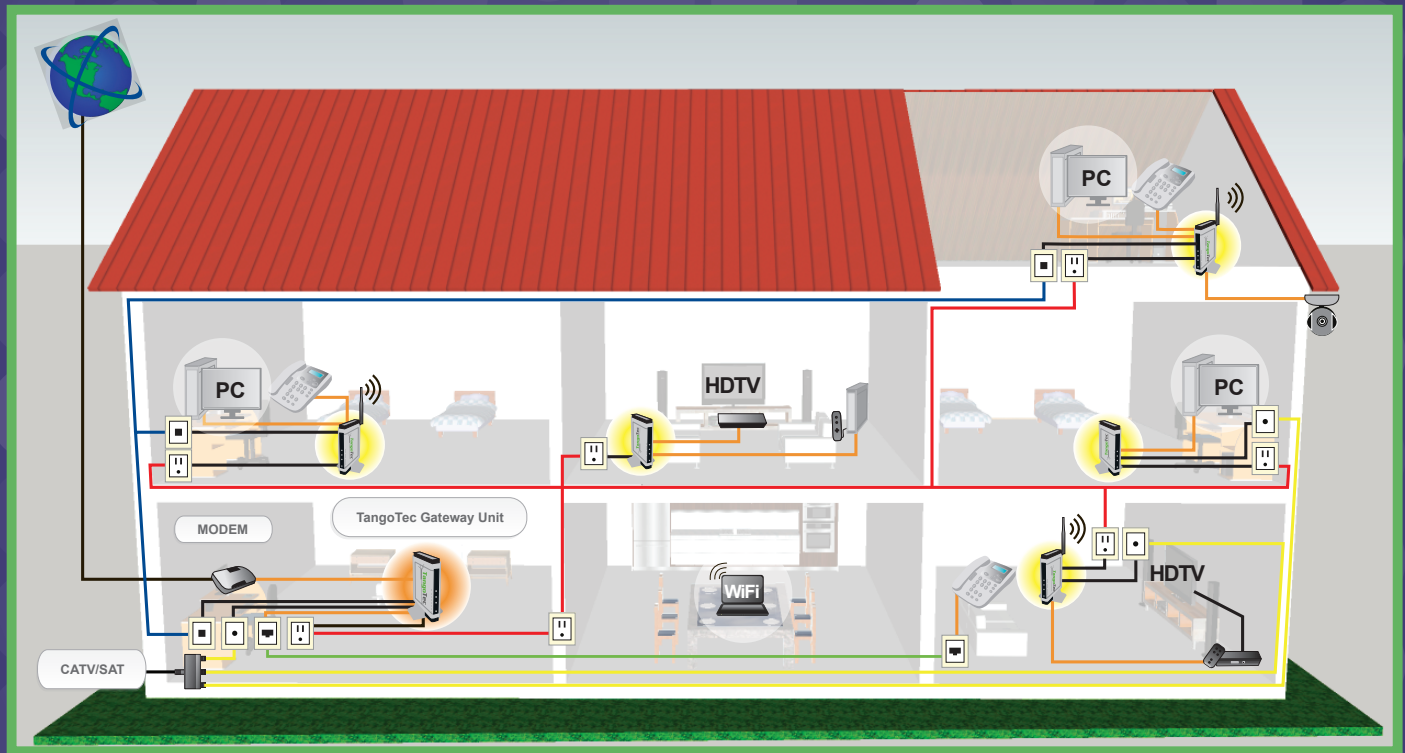


3WIRE NETWORK SYSTEM

ETHERNET OVER ALL THE EXISTING INFRASTRUCTURES
COAX, PHONE AND POWER LINE WIRES

Getting "triple play" services to every outlet in the home



- | | | | | |
|----------------------|-------------------------|----------------|----------------|---------------------------------|
| Telephone Outlet | Existing Telephone Line | Ethernet Cable | IP Camera | TangoTec WiFi AP |
| Electrical Outlet | Existing Power Line | STB | Splitter | TangoTec 4 Port Network Adapter |
| Coaxial Cable Outlet | Existing Coaxial Cable | STB+DVR | IP Phone | PON/DSL/CABLE Modem |
| CAT5 Outlet | Existing CAT5 Line | Laptop | Gaming Console | |

Specifications

3WIRE “TRIPLE PLAY” DISTRIBUTION

Tangotec's 3Wire Network System uses the homes existing coaxial, telephone and power line infrastructures already in place to distribute “Triple Play” services (HD IPTV, high-speed data and VoIP) and to create a Home Network for diverse applications. The 3Wire Network System requires no extra wiring or complex installations. It leads the way into the convergence market.

The 3Wire Network System may be used as an extension to the current DSL/FTTH connection providing an easy and trouble free distribution of HD IPTV video streams from DSL/FIBER modem to the homes TV sets and IP data/voice to every power, phone and TV outlet in the home with no need to install new wires.

HOW IT WORKS

The 3Wire Network System consists of 2 elements: The 3Wire Ethernet Adapter “Gateway” and the “Remote” units which are distributed throughout the home (can be connected to every TV outlet, phone outlet AND power outlet).

IPTV streams originated at the Central Office (CO) reach the home via DSL or FIBER connections. The 3Wire Ethernet Adapter “Gateway” is connected to the DSL / Fiber MODEM via a standard 100BaseT connection. This “Gateway” Ethernet Adapter is connected to the coax, phone, and power outlets. It converts the IP streams to RF signals and transmits them over the existing coaxial, phone and power lines.

For IPTV application - a 3Wire Ethernet Adapter “Remote unit” can be connected to every TV, telephone, and power outlet in the home. It converts the RF signal back to IP format. An IP Set Top Box is connected to the 3Wire Ethernet Adapter “Remote unit” which converts the IP video streams to a common TV format.

For Data and Voice applications - a 3Wire Ethernet Adapter “Remote unit” can be connected to every coax, phone and power outlet in the home. It converts the RF signal back to IP format. Customer can connect PC, IP phone or any IP based application to the unit via a standard 1 Gb port. As an option - customer can use the 3Wire Ethernet Adapter with a built in 802.11g/n access point for wireless applications.

The 3Wire Ethernet Adapters can be placed anywhere on the coaxial TV, phone or Power network and does not interfere with the existing CATV or Satellite signals. The system can use all the existing home infrastructure. Tangotec patented auto sensing mechanism evaluates the performances of each type of home infrastructure and can chose the network with the better performances.

MAIN FEATURES

- » Up to 500 Mbps
- » Turns the homes coax, phone and power outlets into a network connection
- » Each 3Wire Network supports up to (16) 3Wire Adapters
- » Supports all coax topologies (Star, tree, daisy chain ,etc.)
- » Do it yourself “Plug N’ Play” solution
- » Supports unicast and multicast HDTV IP streams
- » WiFi option available
- » Low power consumption
- » Built-in QoS, prioritize the data, enabling smooth video streaming and lag-free gaming
- » 128-bit AES encryption, keep the network safe

APPLICATIONS

- » Internet Protocol Television (IPTV) Distributions
- » Higher data rate broadband sharing
- » Shared broadband internet access
- » Audio streaming and transfer
- » Expanding the coverage of wireless LANs
- » Voice over IP
- » PC file and application sharing
- » Network and online gaming
- » Security cameras



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