

EoC NETWORK SYSTEM

ETHERNET OVER THE EXISTING COAXIAL CABLES
FOR MDU'S, CAMPUS AND THE LAST MILE.

Getting "Triple Play" IP services to every coax outlet



— Coaxial Cable



TangoTec NT, Terminating: Wireless, Powerline, CAT5/6, Coax and RJ11 Communications

Specifications

TangoTec's Ethernet over Coax (EoC) Network system establishes a network within a building or community, enabling IP traffic over the existing coaxial cables already in place. It is an elegant plug-n-play high speed data distribution solution that coexists with TV channels, DOCSIS and DBS services.

The EoC Network System provides fast reliable and cost effective distribution of broadband internet access over the existing coaxial cables. With the EoC Network System, the cable operators, Telcos, MATV/SMATV providers, and integrators can extend internet access to every TV outlet over any coax topology. There is no need for infrastructure rewiring.

The EoC Network System can be connected to any broadband source reaching the building. Up to 254 customers can be reached through the EoC Network system, enabling common costs to be divided between network users, including the WAN connection and other services such as firewall, virus protection, parental control and billing.

The EoC Network System meets the requirements of multi dwelling units (MDUs) and campuses. It creates new opportunities for revenue generation wherever a TV coax connection exists and enables providers to service their clients needs today and in the future.

MAIN SYSTEM COMPONENTS

The PCE Series "Gateway" - an EoC Ethernet Adapter that is connected to any WAN source (DSL, ATM, FTTB, CABLE, SAT) in one side and to the coax at the other side. This unit manages up to (254) "remote" EoC Ethernet Adapters with an operation range of up to 1,000m (3,300 ft) and total system speed of up to 500 Mbps.

The PCE Series "Remote Unit" - an EoC Ethernet Adapter that is connected to the coax at the user side:

- » PCE - with 10/100/1000 BaseT port
- » PCE-3L - with built-in 3-port LAN
- » PCE-WL - with built-in 2-port LAN & 802.11n WLAN

APPLICATIONS FOR SERVICE PROVIDERS

- » PCE-NRG - with built-in Gnrqy Extreem RF module for Smart Grid monitoring & control

Advantages for the hospitality market

- » Wired and wireless broadband access to every hotel room and public areas via TV infrastructure without running additional wires
- » Quick and non disruptive installation
- » Up to (254) EoC Adapters on single network
- » Operation range of up to 1,000m (3,300 ft)
- » An ideal solution for hotels without internet service or for hotels that want to provide free internet access in the hotel rooms
- » Option for a billing system
- » Suitable solution for IP security and control
- » Option for Smart Energy monitoring and control

Advantages for the MSOs

- » Works on all TV networks including not upgraded: 300, 500, 680 and 750MHz networks and also over unidirectional networks
- » Operates over poor infrastructure - has a dynamic range of 90 db - wherever the TV operated the PCE series can operate
- » Coexists with CATV and DBS services
- » No need to upgrade coax and amplifiers
- » Superior speed of up to 500 Mbps



Distributed by:

NAS Australia
28 Newstead Terrace, Newstead Q 4006

Phone: [61] 07 3015 8700
Fax: [61] 07 3252 8541

Email: nas@nasaustralia.com.au
Web Site: www.nasaustralia.com.au