



The standard for
Home Entertainment Networking™

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Actiontec

MoCA Educational Workshop
November 9, 2010
TelcoTV

Premier Supplier to Tier 1 and Tier 2 Telcos



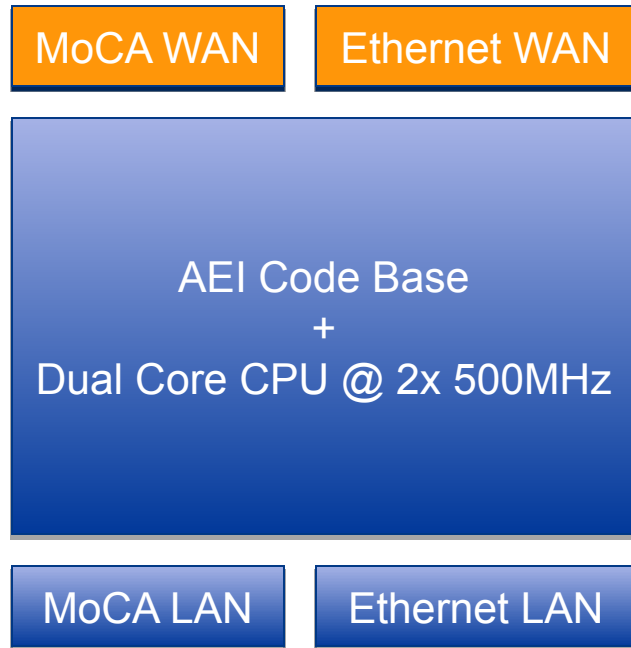
We are a hardware leader for Tier 1 and Tier 2 telecom providers and ISPs. Our products have been adopted by more than 40 RBOCs, IOCs, CLECs, and ISPs including Verizon, Qwest, TDS, MTS, Fairpoint, NTS, Iowa Telecom, and more. Our work with Tier 1 carriers gives us the unique capability to create robust, cost-effective hardware for smaller carriers — with future-proof features and functionality. As a result, Tier 2 and Tier 3 service providers can deploy high-performing equipment for their networks today that will enable them to seamlessly transition to more advanced speeds, networks, and services down the road.

Customer highlights include:

- Solution provider to Verizon since 2004, including the primary supplier for Verizon's FIOS broadband home router
- Solution provider to Qwest since 2002, including supplying the VDSL gateway for Qwest's fiber deployment
- Primary supplier for TDS direct channel
- Solution provider to MTS since 2009
- Recently launched with Frontier, Telus and Bell Aliant



MI-424MR (MoCA Broadband Router)



WiFi
11b/g/n

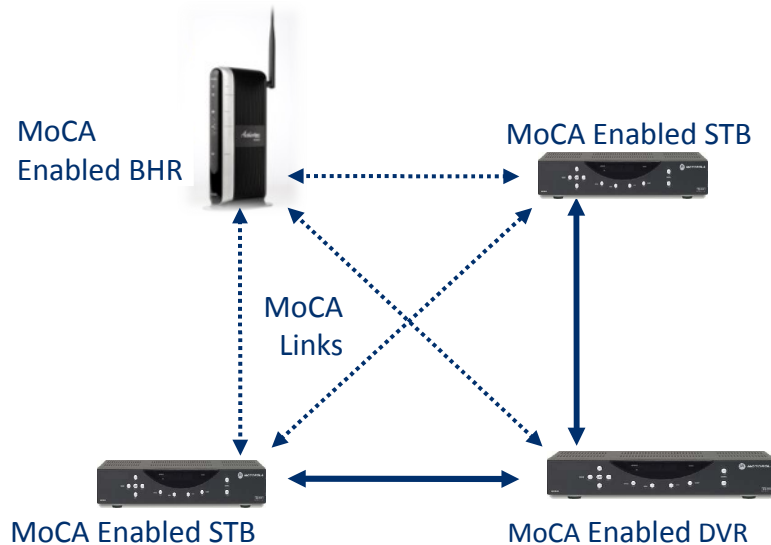
USB
2.0



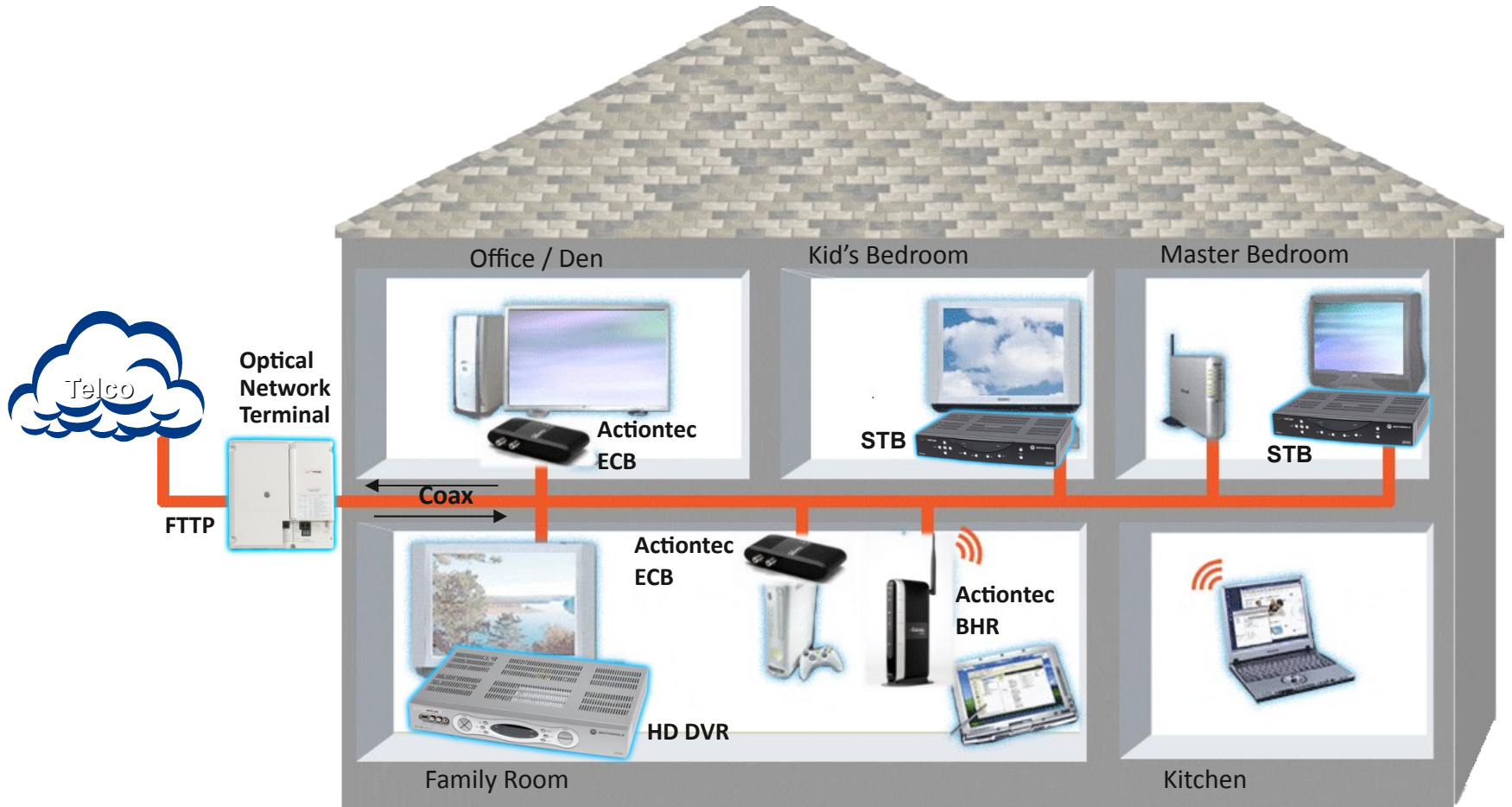
Actiontec + MoCA:

- Early member of MoCA Alliance
- Developed CPEs with multiple generations of MoCA chips since 2005
- Shipped millions of MoCA transceivers since 2007

- MoCA Devices Form Full-Mesh/Peer-to-Peer Network
 - Every device can communicate with every other device
- Role of the Broadband Home Router
 - Responsible for DHCP, security, QoS, media sharing, etc.
 - Bridging WAN and LAN IP traffic (Internet, IPTV, VOD, VoIP)
 - TR-069 network management

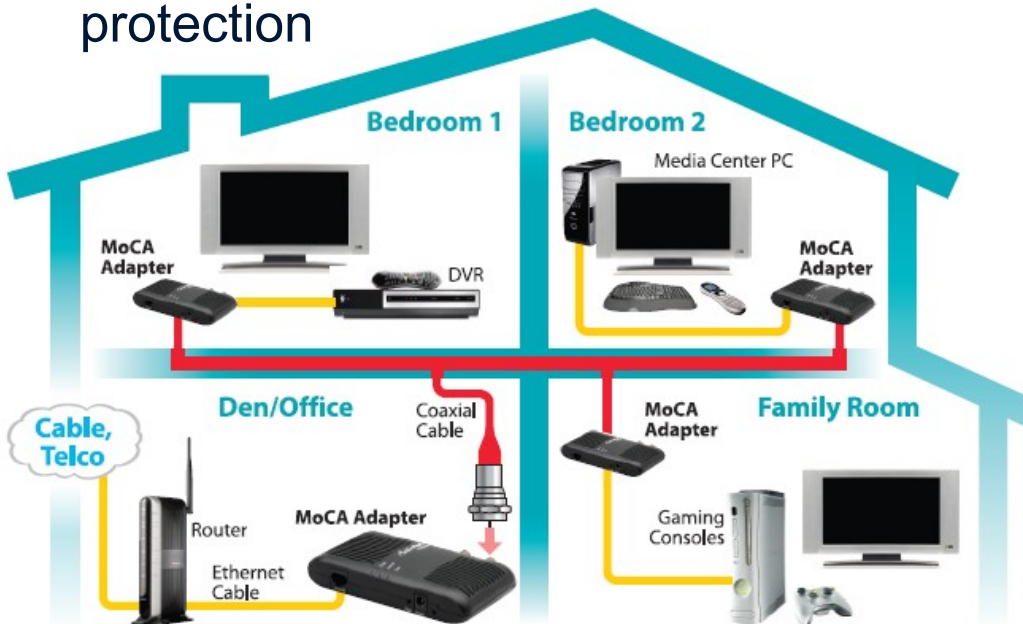


- *Multi-room DVR Full-mesh MoCA home network*
- *Solid lines represents multiroom DVR links*



MoCA Ethernet to Coax Bridge

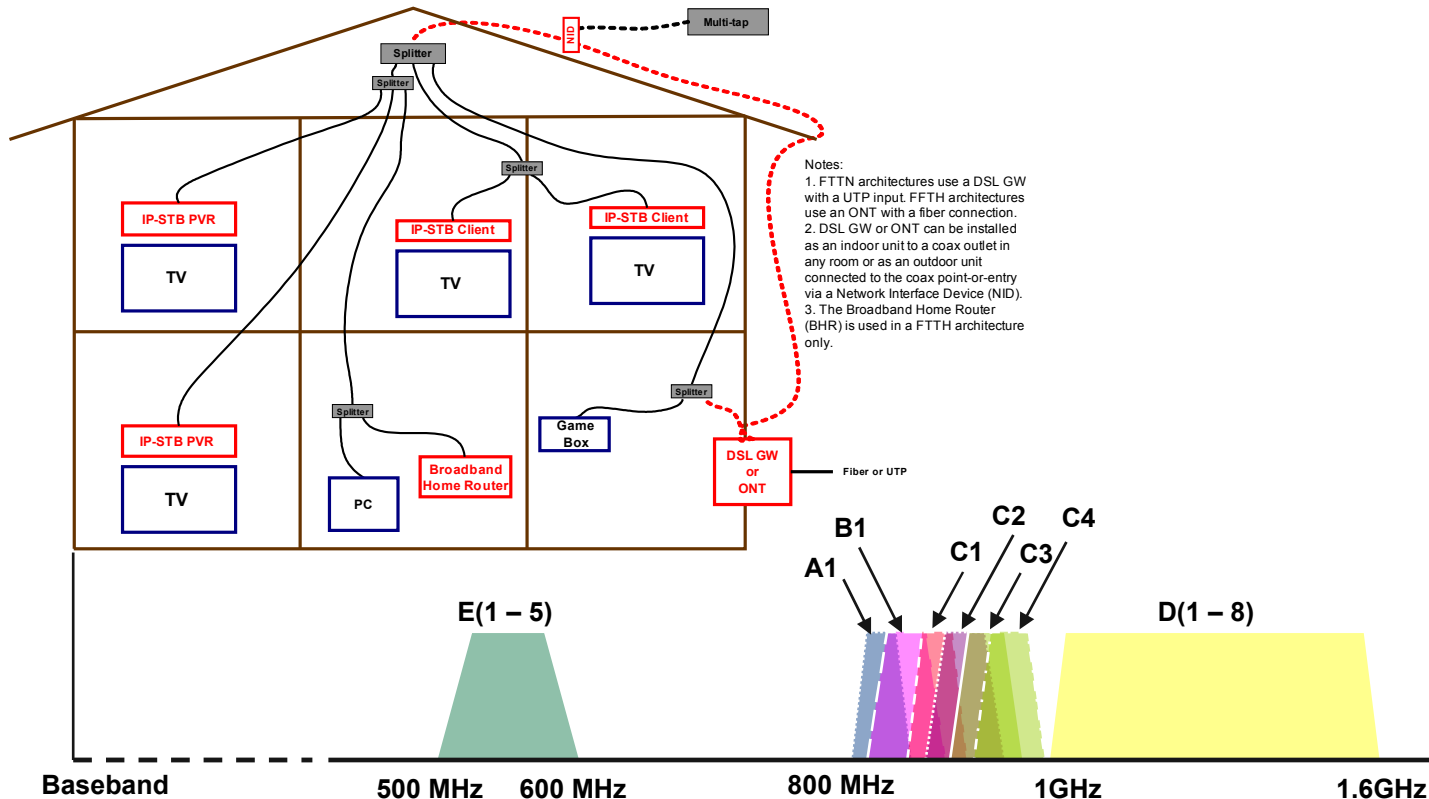
- Over 250 Mbps PHY rate on coaxial interface
- Easily install into existing home coaxial network (Plug and Play)
- MoCA 1.1 certified
 - Supports up to 16 nodes in the same coax network
 - Increased throughput with Packet Aggregation
- Hardware DES encryption for network security with password protection



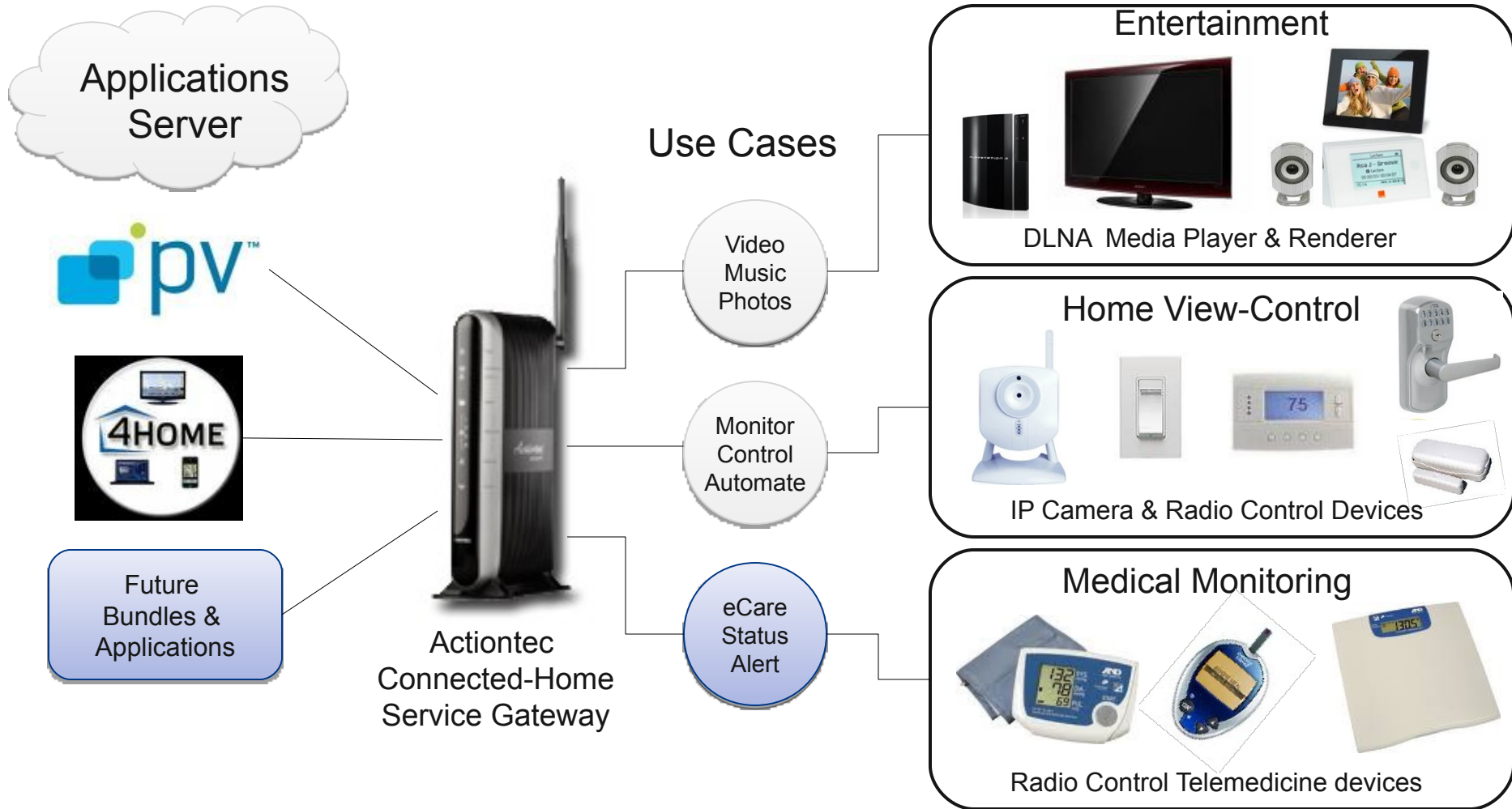
MoCA Throughput

MoCA Version	Aggregate Minimum MAC Rate	PHY Rate Condition	Number of Nodes
1.0	125 Mb/sec	≥ 250 Mb/sec	Between 2 nodes
1.1	176 Mb/sec	≥ 275 Mb/sec	Between 2 nodes
2.0	400 Mb/sec	~ 700 Mb/sec	For 16 node network

- Coax is readily available and a clean medium for high bandwidth services (especially video)
- Being an early implementer over Coax, MoCA is mature and works effectively through high attenuation, splitters, etc.
- Supports Triple Play Home via FTTH (ONT) or FTTN (xDSL Gateway)
- MoCA Enabled ONT or DSL GW Bridges WAN Medium to the Home Coax



Actiontec Router for the Connected Home



When you think **coax**,
think **MoCA**.

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