



**CalPlug Workshop**  
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**Set-Top Boxes -**  
**New Features and Industry Trends**


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# STB New Features:

## STB Video Distribution Technologies:

- Cable - MPEG Transport + IP
- Verizon - MPEG Transport + IP
- ATT – IP
- Satellite - MPEG Transport + IP

## Whole Home DVRs:

- One DVR per household saves energy
- STB at each TV - Receivers  Clients
- Network DVR could eliminate or complement HDD!

## Client STBs (Wired and WiFi):

- Lower power than full receivers
- Possible sleep and deep sleep modes

# STB New Features:

## WiFi for Data Service:

- Eliminates network components
- Small increase to STB power

## WiFi for Video Clients:

- Video to non-wired locations
- Requires “video capable” WiFi Access Point
- May eliminate “truck rolls” due to self installation

## Transcoding for Mobile devices:

- Tablet viewing may eliminate additional TVs
- Allows content transfer to Mobile devices
- Small increase to STB power
- Some dedicated devices now

# STB New Features:

## Gateway STBs:

- Combines Video with Data and/or Voice
- Equal or lower power than individual devices
- Efficient if multiple services are provisioned

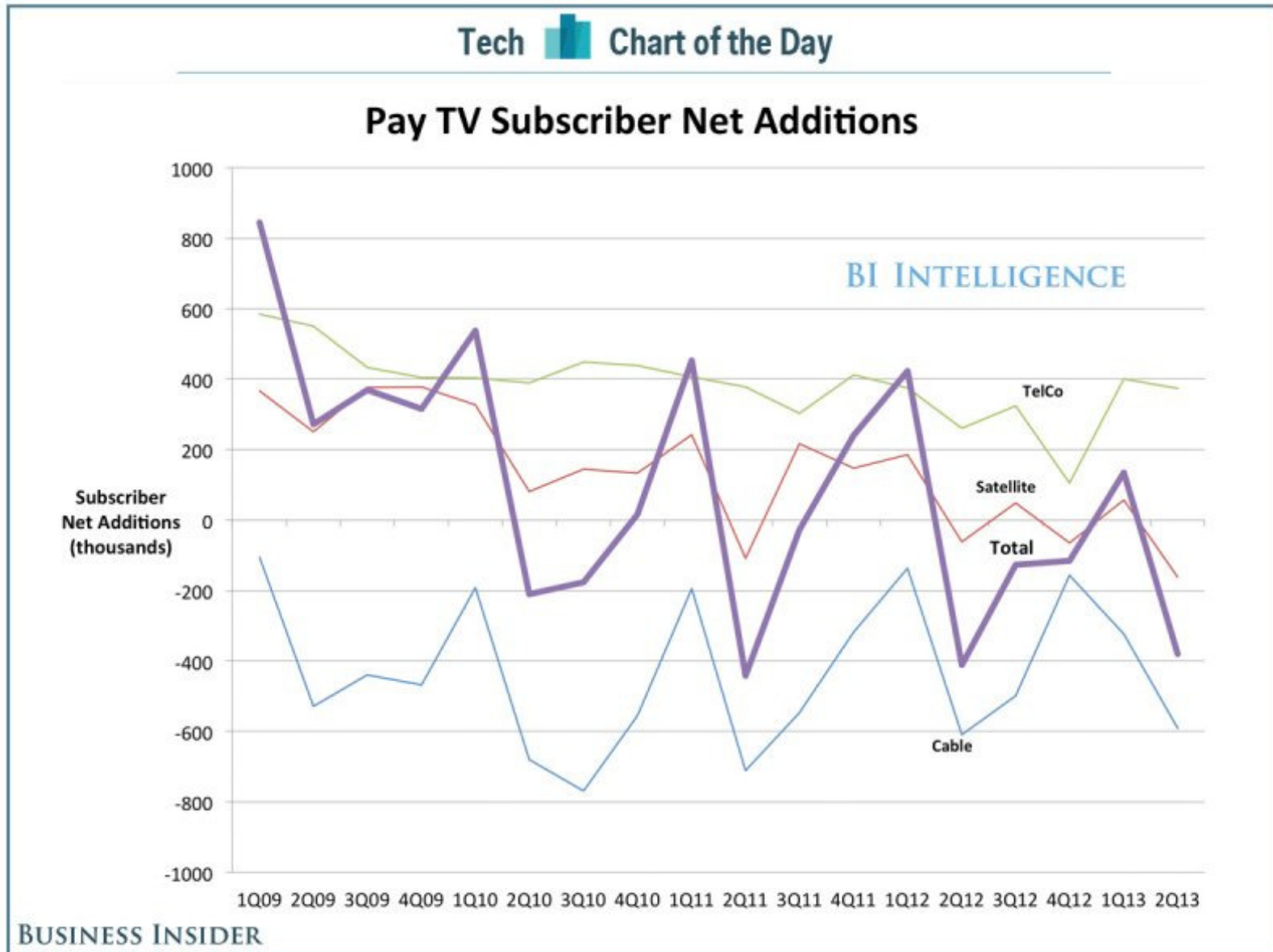
## Game Systems as STBs:

- Generally not efficient for TV viewing
- Eliminates a Receiver or Client

## Smart TVs instead of STBs:

- Eliminates a Receiver or Client
- DLNA compatibility will help accelerate support
- Market will decide if a good solution

# Industry Trends:



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## DVR Households:

- 2012 - 52% – still growing!
- 2011 - 44%

## HDTV Households:

- now 75% - slowing!

## TV Everywhere:

- Viewing on mobile devices
- Inside and outside of home

## OTT Viewing (NetFlix):

- PS3 connected to TV is most popular
- PC connected to TV is second most popular
- Tablets are third most popular (increasing rapidly)

**Thank You**