



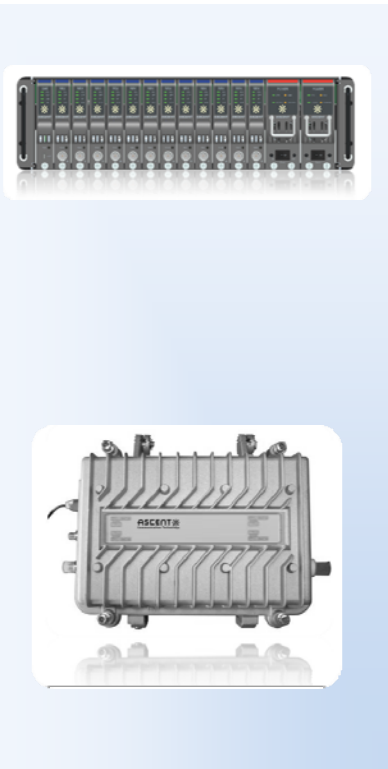
Advanced HFC (Deep Fiber) & RFoG Solutions

- **Deep Fiber HFC Solution**
- **Smart RFoG Solution**
- **VOD, HSD, VOIP, HDTV and IPTV**
- **PON Video Overlay**
- **High Output Mini Node**
- **Low cost Optical Receiver in EoC system**
- **Ergonomic Design**
- **Low Power Consumption**

Next-Generation Network has growing customer demand for VoD, HD channels, IPTV, HSD and VoIP services. To stay competitive, operators need a network solution that can maximize their existing infrastructure, and at the same time has the flexibility to scale up for higher bandwidth next-generation services. Ascent Communication Technology (ACT) network solution has just the answer with a comprehensive product portfolio. Products have been designed with today and tomorrow networks in mind, with ease of technology migration and network upgrade. ACT products cover technologies from HFC Deep Fiber, RFoG, to FTTx (Active Ethernet, PON, PON+EoC).

ACT Deep Fibre solution helps operators expanding bandwidth of their existing HFC network while minimizing capital investment. The Deep Fibre solution includes high density state-of-the-art optic headend (AH6000), with sophisticated yet simple-to-use HMS compliance management. At outside plant, the solution includes a series of optical nodes and line extenders designed specifically for small network segmentation.

■ HFC Fiber Deep & RFoG Products



- Converged Headend Platform
- 1310nm and 1550nm
- FTTH Video Overlay
- Redundant Power
- Advanced Monitoring & Control

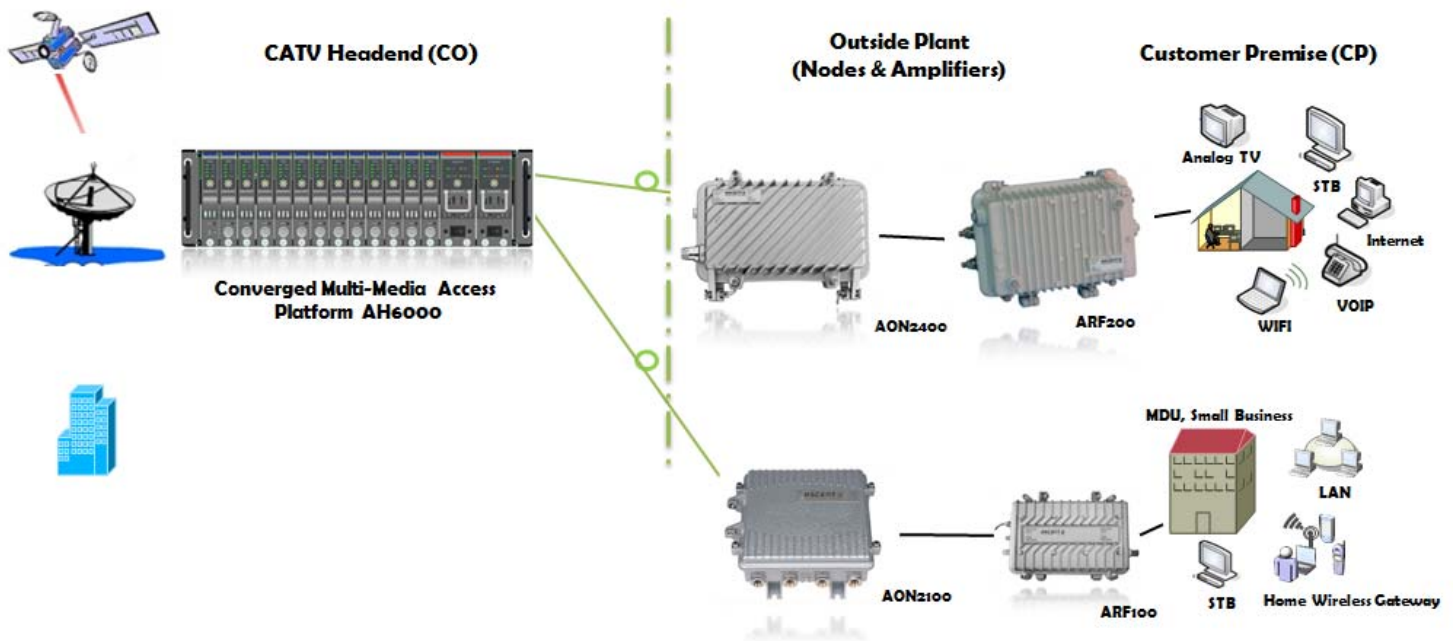
- Deep Fiber Node with 1 or 2 High Outputs
- Compact Housing
- Suitable for MDU & SMB
- GaAs Technology



- Full Featured 2x2 Segmentable Node
- HMS Transponder
- Smart Fiber Management
- Return Noise Switch
- High Level Scalability

- 1GHz RFoG ONU
- SCTE 174 2010
- Optical AGC
- PON Upgrade Port
- Burst Mode Upstream
- Compact and sturdy enclosure

■ Application Diagram



Contact: sales@ascentcomtec.com Australia: +61-488 293 682 China: +86-139 0173 4382 USA: +1-203 816 5188
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