

# CTDI

## Introducing... The FTTN Portfolio of Products

The USAM extends CTDI's next generation multi-service access platform by efficiently delivering a full range of advanced voice, data, special and video services to consumers over the existing copper infrastructure.

### Benefits

#### Flexibility

Multi-service delivery over a single converged FTTN platform provides the flexibility to offer "triple play" and additional advanced IPTV services. The converged platform provides revenue generating services and allows Service Providers to take advantage of improved deployment economics and greater operational simplicity.

#### Management

The FTTN access network architectures, including the USAM, supported by the BDT2s are managed by a common element and network services management system called View 1 and View 2. This ensures visibility into system performance, service continuity, flexible service provisioning and maintainability from a centralized operations center.

### CTDI's Universal Service Access Multiplexer (USAM)

Designed to provide a full range of advanced voice, video, data and special services to areas of mid to low density business and consumer populations including multi-dwelling units (MDUs) and urban, suburban and campus environments. Residing at the central office or at the node in the outside plant, the USAM works in conjunction with CTDI's Broadband Digital Terminal 2 (BDT2) to provide highly scalable voice and specials, data, video entertainment services over the existing copper infrastructure.

The USAM addresses the economics of next generation access networks by flexibly supporting FTTN-based architectures and seamlessly delivering bundled legacy and IPTV services to the consumer, from POTS, high speed data and packet video.

The USAM offers:

- **Media Flexibility:** service delivery to end users via ADSL, ADSL+, ADSL2+, VDSL 998, POTS and special services
- **Operational Simplicity:** plug and play broadband and narrowband functionality with integrated multi-casting
- **RGs for every application:** ADSL2+ and HD
- **Standard and Open:** based on international standards and featuring an open API set for easy integration of third party applications
- **Value:** integrated features, media flexibility and port density make the USAM a price performance leader.

### Features:

- Medium density central office and remote terminal configurations
- Standards-compliant DSL based service interfaces supporting ATM and IP based video delivery simultaneously
- Supports plug and play ADSL, ADSL+, ADSL2+, VDSL, POTS and specials simultaneously
- Supports up to 500 broadcast video channels with fully integrated multi-casting
- Supports High-Definition Television (HDTV)
- Enables interactive applications such as VOD and PPV
- Supports narrowband and broadband loop and drop testing
- Supports BSAM and USAM daisy chaining for maximum Bilink utilization

