

# Conditional Access

Save money with simple, flexible headend management services



Comcast Technology Solutions removes complexity and capital costs from your digital video management architecture, so you can focus on delivering extraordinary experiences to your audience. Conditional Access, part of the Managed Distribution Suite, is a national authorization service (NAS) that provides a flexible, economical solution to implement new digital technologies quickly. Conditional Access allows you to receive, process, control, and distribute digital video and audio without a local access control system.

## Headend management services

- Headend device management
- STB authorization
- STB application delivery
- Guide data distribution
- 24x7 technical support

## NAS-supported services

- Customized code download
- Video on demand (VOD)
- uDTA service-tier encryption
- TiVo guides, including:
  - R32 new EPG and multi-room DVR support
  - TiVo DTA guide
  - Emergency alert system (EAS)
  - Multiple billing and back-end systems

## How Conditional Access benefits you:

- Simple and economical digital video management and support for CommScope headends
- Supports widely used SD and HD set-top boxes (STBs) and DTAs from CommScope, Pace, Technicolor, Evolution, and CableCARD compatible devices (e.g., TiVo)
- Flexibility to implement new technologies such as an all-digital conversion and VOD with limited upgrade costs
- Service-tier encryption for uDTAs, providing systems with the option to set up DTAs with tiers within their billing environment, a low-cost solution for an all-digital system
- Reduced capital investment in equipment necessary to manage a digital system, including Conditional Access systems, guide distribution servers, centralized CASMR, and application carousels
- 24x7 support through Comcast National Video Operations Center
- Access to NAS Headend Management Report in the Managed Distribution Self-Service Portal

## Supported devices and billing systems

### ROM-based set tops

---

DCT-1000p0 Pre-QUOD (314K or 450K)	DCT-2000 Phase 0, 1, 2.1, 2.2, 2.3
DCT-1000p1 QUOD, Phase 2 AVI	DCT-2000 Phase 2.4, 3, 4, 4.1, 6
DCT-1200p0 Pre-QUOD, Phase 2 AVI	

### 2000 Class

---

DCT-2000 Phase 7, Phase 8, Phase 9	DCT-1800 Phase 1
DCT-1700 Phase 0, 1	DCP-501, DCP-503

### 2500 Class

---

DCT-2500 Phase 0, 2, 3, 4	DCT-700 Phase 0, 1, 2, 2.7
DCT-1800 Phase 3, 4	DCH-200, DCH-100, DCH-70

### Advanced set tops

---

DCT-5100, DCT-5100 DVI	DCX-3300M
DCT-6200/1xxx 64MB Phase 0-1, 2	DCX-3501M
DCT-6200/2xxx 128MB Phase 0-1, 2	DCX-3510M
DCT-6208/1xxx 64MB Phase 0-1, 2	DCX-3520eM
DCT-6208/2xxx 128MB Phase 0-1, 2	DCX-4220e
DCT-6412 & DCT-6416 Phase 1, 2, 2.3	DCX-3200p1, Mp1, p2, Mp2
DCT-6412 & DCT-6416 Phase 3	DCX-700, M
DCT-3412, DCT-3416	DCX-700e, eM
DCT-3080	DCX-3200Mp3
DCH-6416, DCH-3416	DCX-3210e
DCH-6200, DCH-3200	DCX-3220e
DCX-3400	DCX-525e

### Pace

---

TDC779X, -M, All Analog CableCARD
TDC780X Tahoe Analog CableCARD

### CableCARD

---

S-CableCARD
M-CableCARD Phase 1-2,3

### DTA devices

---

#### Pace

PACE SD uDTA
PACE 50X
PACE 50xu
PACE 60Xu

#### CommScope

HD-uDTA 100u Phase 2
HD-uDTA 100u Phase 1
Commscope SD DTA

#### Evolution

e-box
HD-uDTA DMS-2004UDS (Residential)
HD-uDTA DMS-2004 UHDW (Wall Mount)
SD-uDTA DMS-2002U

#### Technicolor

DCI10X
--------

### Headend devices (CommScope)

---

OM2000
RPD1000
ARPD
NC1500 P4, P5
SEM V8
SEM V12
APEX 1000

### DTA service-tier encryption edge device firmware requirements

---

Apex 2.6.5/SEM 7.4.7	SCTE-52 Encryption mode required
----------------------	----------------------------------

### Supported billing systems

---

Amdocs	Connexn	Great Lakes Data Systems	SubscriberNet
Azar Computer	ETI	Innovative Systems	Northland
CSG	MACC	RR Enterprises	Convergys

## Technology tailored for your business

Comcast Technology Solutions offers a portfolio of technology solutions, the CTSuite, that provides the industry with the technology, scale, and expertise to expand and navigate the rapidly changing media and entertainment technology landscape. We invent technology that solves industry challenges, reimagines what is possible, and transforms businesses for an ever-changing world. Built on Comcast's know-how, proven facilities, scalable platforms, and infrastructure, Comcast Technology Solutions offers more than 20 years of reliable real-world broadcast and digital experience. We partner with customers to redefine expectations and deliver the future to global audiences.

### Find out more

[ComcastTechnologySolutions.com](http://ComcastTechnologySolutions.com)  
[ComcastTechnologySolutions@comcast.com](mailto:ComcastTechnologySolutions@comcast.com)