CONDITIONAL ACCESS: NAS

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. Our National Authorization Service (NAS) Conditional Access (CA) services provide a flexible, economical solution to implement new digital technologies quickly. NAS allows you to receive, process, control, and distribute digital video, audio, and data services without a local access control system.
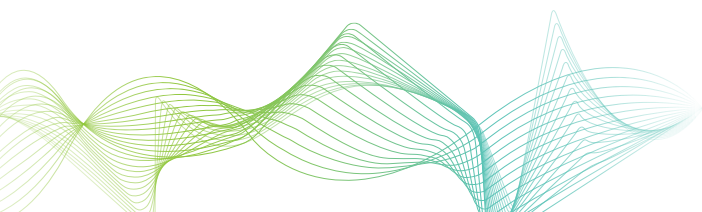
HEADEND MANAGEMENT SERVICES

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

NAS SUPPORTED SERVICES

- Customized code download
- VOD
- uDTA service-tier encryption
- TiVo guides including:
    - R32 new EPG & multi-room-DVR support
    - TiVo DTA guide
    - Emergency Alert System (EAS)
    - Multiple billing and backend systems

HOW NAS BENEFITS YOU:

- Simple and economical digital video management and support for ARRIS headends
- Supports widely-used SD and HD set-top boxes (STBs) and DTAs from ARRIS, Pace, Technicolor, Evolution, and CableCARD compatible devices (e.g., TiVo)
- Flexibility to implement new technologies such as an all-digital conversion and video on demand (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 CA 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 Satellite Distribution Self-Service Portal

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TECHNOLOGY SOLUTIONS

NAS SUPPORTED DEVICES AND BILLING SYSTEMS

ROM-BASED SET TOPS

DCT-1000p0 Pre-QUOD (314K or 450K)
DCT-1000p1 QUOD, Phase 2 AVI

DCT-1200p0 Pre-QUOD, Phase 2 AVI
DCT-2000 Phase 0, 1, 2.1, 2.2, 2.3
DCT-2000 Phase 2.4, 3, 4, 4.1, 6

2000 CLASS

DCT-2000 Phase 7, Phase 8, Phase 9
DCT-1700 Phase 0, 1

DCT-1800 Phase 1
DCP-501, DCP-503

2500 CLASS

DCT-2500 Phase 0, 2, 3, 4
DCT-1800 Phase 3, 4

DCT-700 Phase 0, 1, 2, 2.7
DCH-200, DCH-100, DCH-70

ADVANCED SET TOPS

DCT-5100, DCT-5100 DVI
DCT-6200/1xxx   64MB Phase 0-1, 2
DCT-6200/2xxx 128MB Phase 0-1, 2
DCT-6208/1xxx   64MB Phase 0-1, 2
DCT-6208/2xxx 128MB Phase 0-1, 2
DCT-6412 & DCT-6416 Phase 1, 2, 2.3
DCT-6412 & DCT-6416 Phase 3
DCT-3412, DCT-3416
DCT-3080
DCH-6416, DCH-3416
DCH-6200, DCH-3200
DCX-3400

DCX-3300M
DCX-3501M
DCX-3510M
DCX-3520eM
DCX-4220e
DCX-3200p1, Mp1, p2, Mp2
DCX-700, M
DCX-700e, eM
DCX-3200Mp3
DCX-3210e
DCX-3220e
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
ARRIS
HD-uDTA 100u Phase 2
HD-uDTA 100u Phase 1
ARRIS 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 (ARRIS)

OM2000
RPD1000
ARPD
NC1500 P4, P5
SEM V8
SEM V12
APEX 1000
DSR4440
DSR4460

DTA SERVICE TIER ENCRYPTION EDGE DEVICE FIRMWARE REQUIREMENTS

Apex 2.6.5/SEM 7.4.7

SCTE-52 Encryption mode required

NAS SUPPORTED BILLING SYSTEMS

Amdocs	Connexn	Great Lakes Data Systems	Subscribernet
Azar Computer	ETI	Innovative Systems	Northland
CSG	MACC	RR_Enterprises	Convergys

ABOUT COMCAST TECHNOLOGY SOLUTIONS

Comcast Technology Solutions provides a portfolio of media, entertainment, and technology solutions. We invent technology that solves industry challenges, reimagines what is possible, and transforms business through new innovations. Built on Comcast's know-how, proven facilities, 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 business strategies and deliver the future to global audiences.

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