

## C-DOT Solution for Broadcast and Converged Network

C-DOT has developed Cable, DTH, OTT STB and state of the art conditional access system for broadcast Network. C-DOT's interoperable STB and standard STB along with other Network Subsystems are the most profound innovations which are true enabler towards Government of India's flagship programs such as "Make in India" and "Digital India". These products and solutions from C-DOT also provide an effective impetus to "Startup India" and "Skill India" initiatives.

### Cable Hybrid HD STB (CB100)



#### Features of Hybrid HD Cable Set Top BOX

- RF Input: Full compliance to DVB-C.
- Platform: Efficient CPU, MPEG-1/2, H.264 decoder
- Audio/Video: Stereo L&R (RCA Type), CVBS (RCA Type), HDMI 1.4a.
- Smart card: ISO7816-3 compliant (Support Cardless CAS also)
- Communication Interfaces: USB 2.0 HS, IR Remote, and Network Interfaces
- Power: 12V @1.5A Max.
- LED Indicators: Power, IR Remote Sensing and Standby.
- Interoperable: In line with TRAI consultation paper on STB interoperability.
- In-house flexible Middleware and UI
- Hybrid capability (RF+IP)
- Secure Boot
- Supports C-DOT CAS
- 2-layer PCB design
- Software upgrade via USB or Over the Cable.
- PVR Support
- 7-day Electronic Programming Guide
- Regulatory Compliance: IS 13252 Safety standard (CiSTB)
  - UL V-0 for Bare PCB
  - ROHS



## DTH Hybrid HD STB (DT100)



### Features of Hybrid HD Satellite Set Top BOX

- RF Input: Full compliance to DVB-S/S2.
- Platform: Efficient CPU , MPEG-1/2, H.264 decoder
- Audio/Video: Stereo L&R (RCA Type), CVBS (RCA Type), HDMI 1.4a.
- Smart card: ISO7816-3 compliant (Supports Cardless CAS also)
- DVB-CI and CI+ slot
- Communication Interfaces: USB 2.0 HS, IR Remote, and Network Interfaces
- Power: 12V @1.5A Max.
- LED Indicators: Power, IR Remote Sensing and Standby.
- Interoperable: In line with TRAI consultation paper on STB interoperability.
- In-house flexible Middleware and UI
- Hybrid capability (RF+IP)
- Secure Boot
- Supports C-DOT CAS
- 2-layer PCB design
- Software upgrade via USB or OTA.
- PVR Support
- 7-day Electronic Programming Guide
- Regulatory Compliance: UL V-0 for Bare PCB
  - ROHS



## C-DOT CAS (Conditional Access System)



**NIST CAVP CERTIFIED**

### Features of C-DOT CAS (Conditional Access System)

- DVB Simulcrypt (ETSI TS 103197) compliant
- Periodic Key refreshment feature
- High Security through Hardware security features
- Smart Card based and Cardless (both variants)
- Supports finger printing.
- Supports DVB-C and DVB-S/S2
- Highly scalable
- End to End solution with basic SMS (Subscriber Management System)
- MailBox feature
- STB blacklisting feature.
- Dynamic Channel & Package allocation
- Subscription alert information



## C-DOT OTT STB



With proliferation of Broadband in the country, there is a very high demand for 2K/4K resolution intelligent OTT STB. The OTT STB will be functioning as a converged service delivery platform catering to entertainment as well as e-services.

### Features of OTT STB:

- Support upto 4K resolution
- High Bandwidth Network interface Support.
- Support for many Apps
- Android 7.1 (Nougat)
- Fan less system
- IR Support
- Sleek Packaging – available in two different colours (Black & White)
- Low power consumption – 6 Watts (approx.)
- Supports HDMI and CVBS and AV
- 2X USB 2.0 & MicroSD Slot
- DRM support



Corporate Office:  
C-DOT Campus, Mehrauli,  
New Delhi - 110 030, India  
Phone: +91 11 2680 2856  
Fax: +91 11 2680 3338



### Centre for Development of Telematics

C-DOT Campus, Electronics City,  
Phase-I, Hosur Road,  
Bengaluru - 560 100, India  
Phone: +91 80 2511 9001  
Fax: +91 80 2511 9601

