TITAN® Edge Gateway is a multi-channels/any inputs to any outputs solution, with easy setup, fast signal lock and industry-grade input support.

Based on TITAN’s software modular suite and leveraging full COTS approach, TITAN Edge is a versatile solution for operations running on-premises, off-premises or a combination of the two: High HD density, 4K, Satellite/Terrestrial/IP reception, Over-the-Air or scrambled sources, Gateway, IP Turnaround.

Implementing state-of-the-art SMPTE 2022 standards, TITAN Edge Gateway is the first professional cloud native solution improvable to support full IP video contribution & distribution in the cloud.

In addition, TITAN Edge Gateway features interfaces to standard PCIe boards to support any type of use-case and build the most adapted and efficient solution for on-premises reception.

The TITAN Edge Gateway features advanced ARQ solutions with failover of any input type to be descrambled and forwarded to any output type making it a comprehensive solution to contribute from/to the cloud.

### KEY FEATURES

- Any to Any input failover matrix
- Solution for Any input to Any output types
- Multi DVB-Common Interface option
- BISS-CA decryption system support
- Service filtering with remuxed output
- BISS-CA MPTS scrambling over any output
- Contribution over Internet input and output support
- Scalability to UHD 12-bit 4:2:2 codec solution
- On-premises/off-premises/Cloud solution

### VALUE-ADDED BENEFITS

- **Lower OPEX**
  - High density with high quality of service
- **Modularity**
  - Full flexibility and scalability
- **Software based**
  - Future-proof and high ROI
- **Industry Grade**
  - Smooth operations based on proven interoperabilities
**DEMODULATION**

- Multi RF demodulator with selectable RF inputs
- L-Band input, C-band, Ku-band support
- Frequency Range: 950-2150 MHz (L-Band)
- C/N, BER, C/N margin, Link margin monitoring ***
- Automatic, Manual DVB-S/S2/S2x selection ***
- Adjustable Search Range ***
- Support VCM, CCM *
- DVB-S (EN 300421)
- DVB-S (DSNG EN 301210-1.1.1)
- DVB-S2 (EN 302307-1) / DVB-S2x (EN 302307-2)

**DESCRAMBLING**

- BISS 0/1/E (Tech 3292-rev.2 and EBU R139)
- BISS-CA (Tech 3292-1)
- DVB-CI Common Interface Hardware option to descramble
- Multi services descrambling included – up to 20 services - MPTS with support of major CAS vendors: Conax, Irdeto, NDS, Viaccess

**SCRAMBLING**

- BISS 1/E (Tech 3292-rev.2 and EBU R139)
- BISS-CA (Tech 3292-1)

**ARQ SOLUTION**

- Zixi receiver & feeder* - push and pull modes
- SRT receiver & feeder - caller, listener & rendez-vous
- RIST receiver & feeder*
- RTMP receiver*
- Any to any conversion

**FEATURES, CONFIGURATION & MANAGEMENT**

- Web Graphic User Interface
- (create, delete and edit decoding channels)
- 64 Presets configurations memory slots
- In-band and Out-Of-Band Management
- SNMP (MIB v2c) with remote SNMP supervisor (alarms & traps)
- REST API (documented through Open API v3.0)
- JSON Configuration export/import
- Firmware/Licenses/Configuration Update – Over The Air (ETSI 102-006)
- MPEG2-TS over UDP/RTP (Unicast/Multicast)
- FEC ProMPEG CoP3r2
- Failover Any to Any & SMPTE 2022-7
- Carrier ID from the NIT
- PID filtering demux/remux
- Multi-Protocol Encapsulation
- Remote Syslog, VPN support, IGMPv3 support
- INTEL and AMD family support

**FRONT PANEL**

- 6-keys keyboard for input & navigation
- Presets import and export from USB *
- TS capture download from USB slot *
- First ISO install from USB
- Serviceable Air Filters
- CAM Module in 2.5” HDD Dell housing (up to 8 in 1-RU front panel) *

**REAR PANEL**

- IP interface
- Minimum of 2 x 10GE - Refer to the server used
- ASI interface
- Up to 8 x DVB-ASI reversible (input or output) ***
- CAM interface
- Up to 2 x DVB-CI CAM Module per PCIe board ***
- RF interface
- Up to 4 x RF connectors / 8 demodulators per PCIe board ***
- RF input level: -65 dBm to -25 dBm

* Contact your sales representative for the detailed list of features
** Contact factory for availability
*** Refer to the PCIe board used