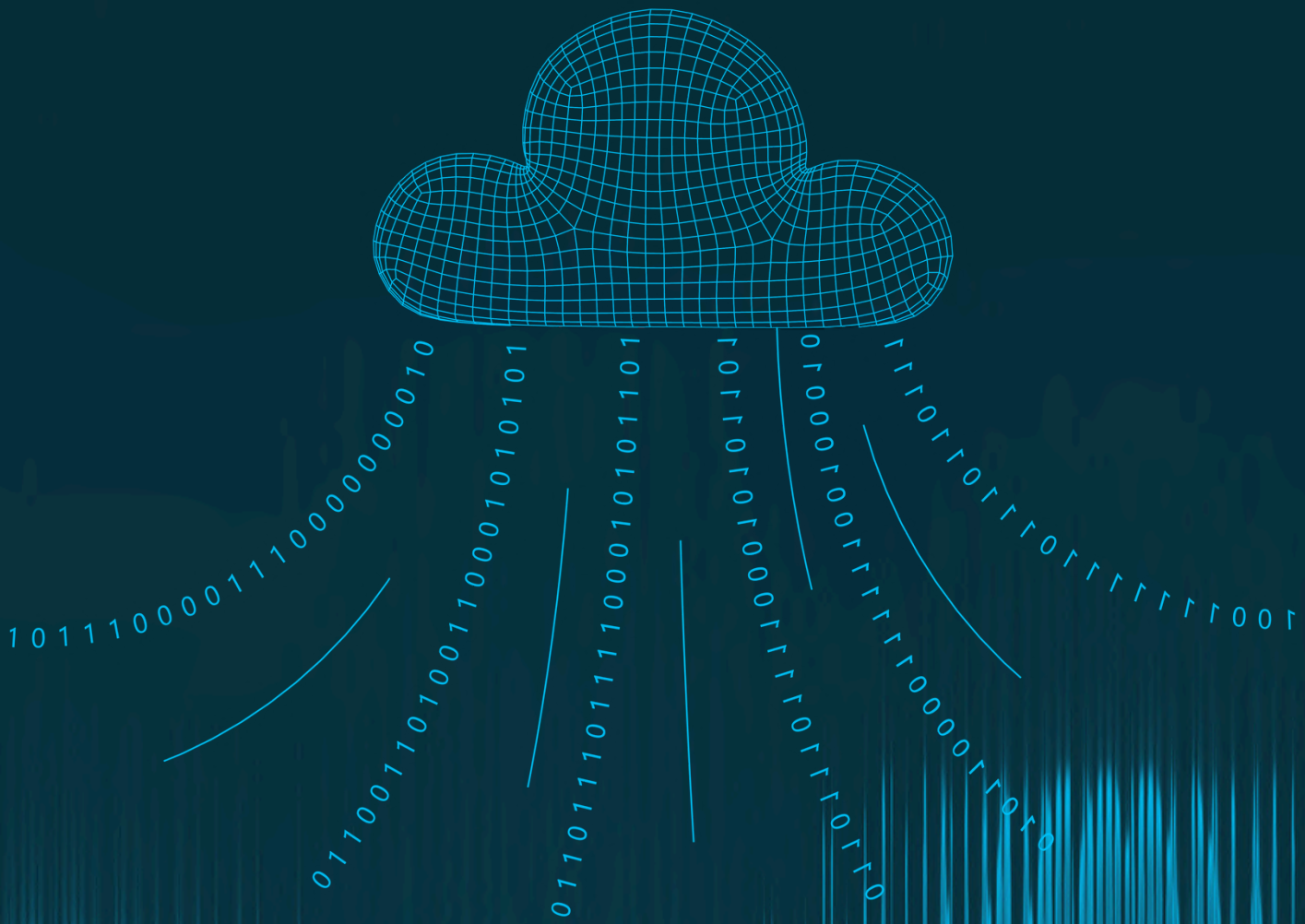
AMPHINICY TECHNOLOGIES

ETL Systems

Blink Software Modem

Any band. Any waveform. Any bandwidth.



WWW.ETLSYSTEMS.COM



Next-gen software satellite modem

Blink

Blink replaces traditional hardware modems with a software-defined platform, enabling satellite operators and ground stations to process signals using standard commercial off-the-shelf (COTS) servers. Blink offers a level of flexibility, scalability, and rapid deployment that modern satellite operators demand.

From TT&C and wideband uplink/downlink to channelisation, signal recording, playback, and testing, Blink delivers powerful signal processing capabilities in a flexible software environment.

Wideband

- Up to 10 Gb/s
- Up to 3 GHz carriers
- S, X, Ka, optical - any band, any bandwidth

Supported Standards

- CCSDS, SCCC
- DVB-S2/S2X
- VITA 49.x & DIFI digital IF

TT&C

- (G)MSK, (G)FSK, BPSK, PCM...
- Various coding schemes
- Idle content auto-insertion
- Frequency sweeping
- Doppler-precompensation

REPORTING

- Detailed processing metadata
- Intuitive summaries
- Interactive graphical overview

AUTOMATION

- REST M&C interface
- Command line interface
- Amazon Machine Image (AMI)

ADVANCED M&C

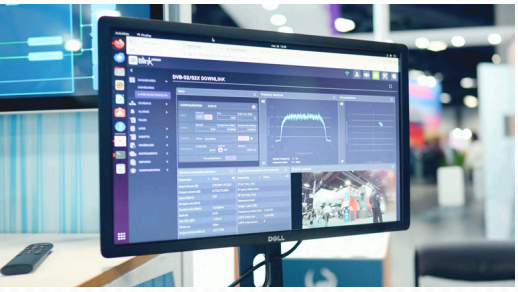
- Modern web UI
- Schemas, dashboards
- Highly user-configurable

Engineered for modern ground segments

Designed for satellite operators, ground stations, and Ground Station as a Service (GSaaS) providers, Blink delivers the flexibility required to support today's increasingly dynamic communications environments.

Suitable for:

- Payload uplink/downlink
- Telemetry, Tracking & Command (TT&C)
- Assembly, Integration, Verification & Testing (AIV/AIT)
- Signal recording and playback
- Channelisation
- Cloud-native ground infrastructure







Why choose Blink?

Replace Hardware with Software

Move digital signal processing from dedicated hardware to software, providing greater flexibility, shorter deployment cycles, and a faster path to capability upgrades.

Flexible Deployment

Deploy Blink on standard servers, virtual machines, or cloud environments to match operational requirements. The software can integrate into existing ground station architectures or support fully cloud-native deployments.

Multi-Mission Support

Designed for modern satellite operations, Blink supports a broad range of waveforms and standards, allowing a single platform to support multiple missions and evolving operational requirements.

Advanced Monitoring & Control

Operate and monitor Blink through a modern web-based interface, REST APIs, and command-line tools, enabling seamless integration within existing ground segment environments.

Rich Reporting & Analysis

Generate detailed processing reports with intuitive visualisation tools and comprehensive signal analysis. Interactive reports provide valuable insight during testing, integration, commissioning, and live operations.

Operational Benefits

- Expand processing capabilities and reduce lead times using standard compute infrastructure.
- Leverage shared computing resources and flexible deployment models.
- Eliminate reliance on mission-specific hardware.



Blink

As satellite networks evolve towards virtualised, cloud-enabled architectures, software-defined signal processing offers a more flexible and scalable alternative to traditional hardware modems.

Blink enables operators to adapt faster, deploy quicker, and maximise the value of their infrastructure investment.

Book a live demonstration today and discover how Blink can modernise your satellite signal processing infrastructure.







Integrated solutions with ETL Systems + Blink

Acquire a complete signal processing solution from a single trusted partner.

- One supplier for hardware, software, and support
- Faster deployment through pre-validated integrations
- Optimised performance across the complete signal chain

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