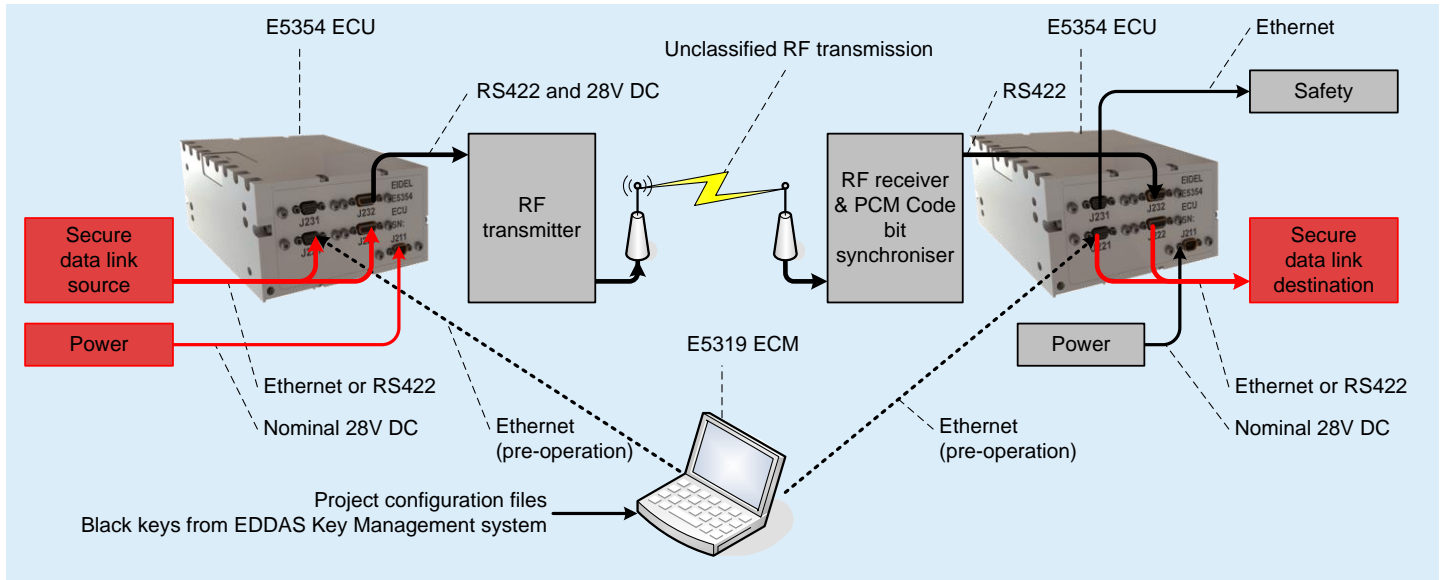




## Secure data link with E5354 ECU



### Security features:

- Data link confidentiality, integrity and authentication
- Approved for HEMMELIG (SECRET)
- CIK for CCI handling and post-operation protection
- Tampering protection
- GCM-AES-256 protection
- Benign rekeying offline protection (black keys) CTR-AES-256, ECIES-521 and ECDSA-521

### Black interfaces:

- 100BASE-TX Ethernet
- RS422 data and clock, 0.1-8.0 Mb/s to RF transmitter or from PCM Code bit synchroniser
- 28V 0.6A DC power to RF transmitter

### Communication protocols:

- RFC 791 IPv4
- IEEE 1588 PTPv1

### Data link protocols:

- CCSDS 132.0-B-1 TM Space Data Link Protocol
- IRIG-106-07 embedded in CCSDS TM
- Information forwarding to safety functions

### Encryption/Decryption unit:

- E5354 ECU - EDDAS Crypto Unit

### Configuration system:

- E5319 ECM - EDDAS Configuration Management

### Support system:

- E5353 EKM - EDDAS Key Management system

### Red interfaces:

- 100BASE-TX Ethernet
- RS422 data and clock, 0.1-8.0 Mb/s to and from secure data environment
- CIK HW dongle (optional)
- DS101 (optional)

### Power input:

- Input 20-36V DC

### EMC, TEMPEST and environments:

- MIL-STD-461F
- SDIP-27 level A
- MIL-STD-810F

### Operating temperature range:

- -40°C to +85°C



### Contact information