

IP CTU

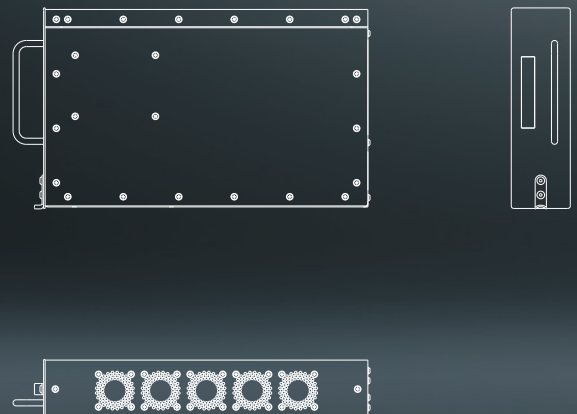
DESCRIPTION

The IP CTU is AlsterAero's cabin communication server. It connects cabin WLAN, ethernet and ISDN equipment to SATCOM systems. The configurable services for the passenger are internet access via a SATCOM providing MPDS, broadband or Swift64, telephony from AlsterAero's corded or cordless telephones, 3rd party ISDN or analog equipment (via AlsterAero's EPA); or facsimile transmission.

All services can be monitored and controlled in conjunction with AlsterAero's cabin crew panels, the OCP or NSCU: The OCP can act as a switchboard to make, preempt and redirect calls to silence phone ringers or to bar calls.

For internet services, the operator can flexibly assign bandwidth to certain passengers, prevent unknown passenger devices from accessing the internet, prioritize access or block internet usage altogether. Thanks to the multitude of the interfaces, the IP CTU can be connected to virtually all bearer systems and end user systems. Even cascading the IP CTU with 3rd party CTU's or using more than one SATCOM system in parallel is possible: Three CEPT E1 links can be individually configured for connection of single or dual SDU systems and other CTUs.

The IP CTU comes in a convenient and space saving 2MCU housing.

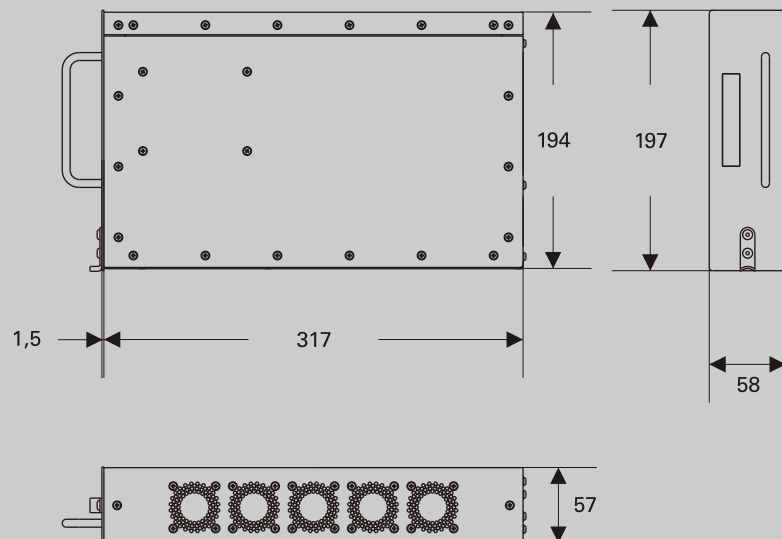


FEATURES

- Three ARINC746 CEPT E1 links, individually configurable for SATCOM / CTU
- Eight ISDN S0 links, individually configurable for Swift64 or cabin equipment
- Two Ethernet interfaces for cabin and for MPDS/broadband equipment
- Utility interfaces: one ARINC429, four TIA-485 serial ports, five discretes
- Operator control via AlsterAero's OCP, NSCU, optionally via MCDU
- VIP features: telephony and internet prioritization and preemption
- IP telephony gateways for intra cabin usage
- Secure and robust internet router functionality
- 2 MCU housing, passive cooling
- 115VAC 400Hz supply, 15W

OUTLINE DRAWING

dimensions are millimeter (mm)



QUALIFICATION

- DO160

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