THRUPUT

Radar Recording
RADIX RDFC

RADIX radar data recorder provides real time format conversion for speed and storage efficiency.

- *ASTERIX radar data format.*
- *Non-intrusive, failsafe capture.*
- *Serial to LAN and LAN to serial conversion.*
- *Agregate multiple channels.*
- *Dual redundant Power.*
- *No impact on the systems being recorded.*
- *Ultra low heat and power.*
- *ASTERIX export in .CSV format (for CAP 670, SUR 10.59)*

Operational benefits

RADIX recorders continuously capture any ASTERIX radar data sources and feature:

- High data rates.
- True Lossless recording.
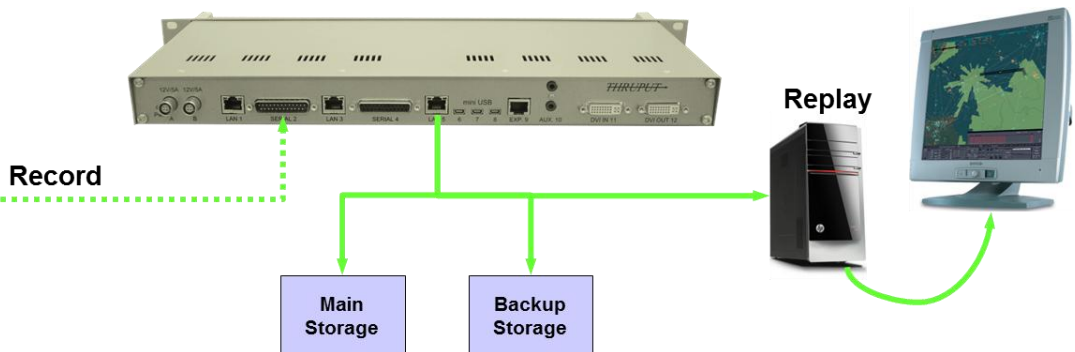- Continuous data rate control and parity checks.

Green solution

With possibly the lowest power consumption of any recording system, RADIX does not use any hazardous materials:

- Typically below 20 W in normal operation.
- Fully RoHS compliant.

Safety
- Continuous data rate control and parity checks.
- Status reporting and logging.
- Supports redundant system architectures.

Record

Replay

Main Storage

Backup Storage

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Life cycle benefits

With greatly reduced complexity at engineering cabinet, a RADIX recorder, solution will be:

- Cost effective, simple solution to install; needs neither power nor mechanical changes to a console.
- Cheaper to run than DSP or PC based recorders.
- Minimum heat in the equipment room.

Specification

Radar inputs	– CAT 5 LAN – RS 232 – RS 422
Format conversion	– LAN to RS 232 – RS 232 to LAN – RS 422 to LAN – LAN to LAN – Any to database
Control	RJ 45 LAN, supports SNMP
Power	2 x LEMO 12V / 5A
Form factor	19" rack mount
Size (in rack)	1U high x 18 cm deep
Dimensions	482 x 220 (over handles) x 45 mm
Weight	2.1 Kg
MTBF	125,000 hours (calculated).
Compliance	CE, FCC and ROHS

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