THRUPUT

Radar Recording
RADIX RDFC

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

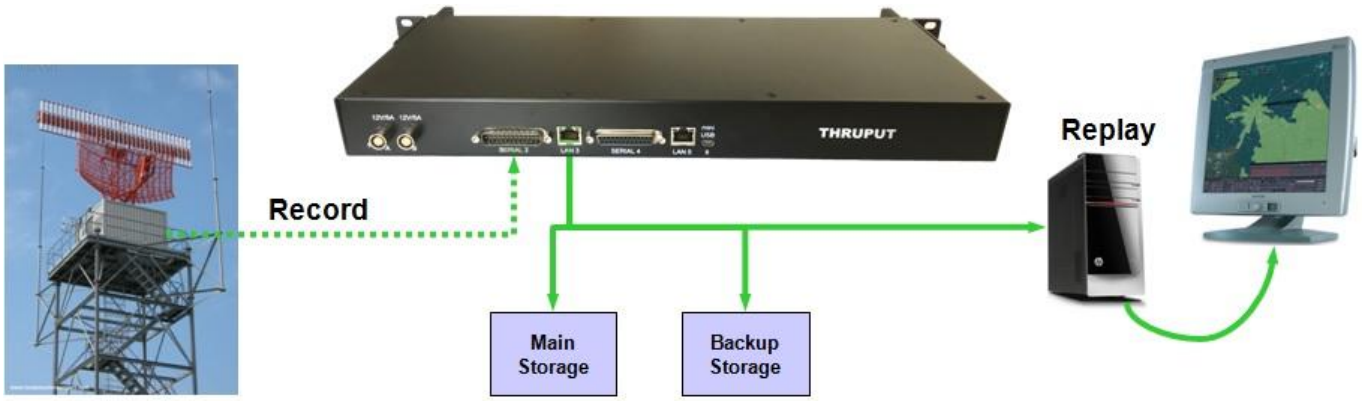
- *ASTERIX radar data format.*
- *Non-intrusive, failsafe capture.*
- *Serial to LAN and LAN to serial conversion.*
- *Agregate multiple channels.*
- *Dual redundant Power.*
- *No impact on the systems being recorded.*
- *Ultra low heat and power.*
- *ASTERIX export in .CSV format (for CAP 670, SUR 10.59)*

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.

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

Security
- FPGA logic solution
- No operating system.
- No remotely accessible memory.
- No removable media.



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.

Green solution

Uses logic devices, to provide a low power solution for radar format conversion. RADIX does not use any hazardous materials:

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

Specification

Technology	– FPGA logic processing – No operating system or remotely accessible memory.
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	Dual redundant 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

Thruput Limited
6 Whitworth Road,
Marston Trading Estate, Frome,
Somerset, BA11 4BY, UK
Author: ND
Date: July 2019

Office: +44 1373 300 818
Web: http://www.thruput.co.uk/
Email: sales@thruput.co.uk