



RFE

MAKING
BROADCAST
SMARTER

RFE SMART-LINK

RFE ADVANCE SITE MANAGEMENT SOLUTIONS

SITE



NMS

RFE SMART LINK is an integrated solution designed to monitor and control remote sites.

It ensures maximum uptime through hardware redundancy and advanced environmental sensing.

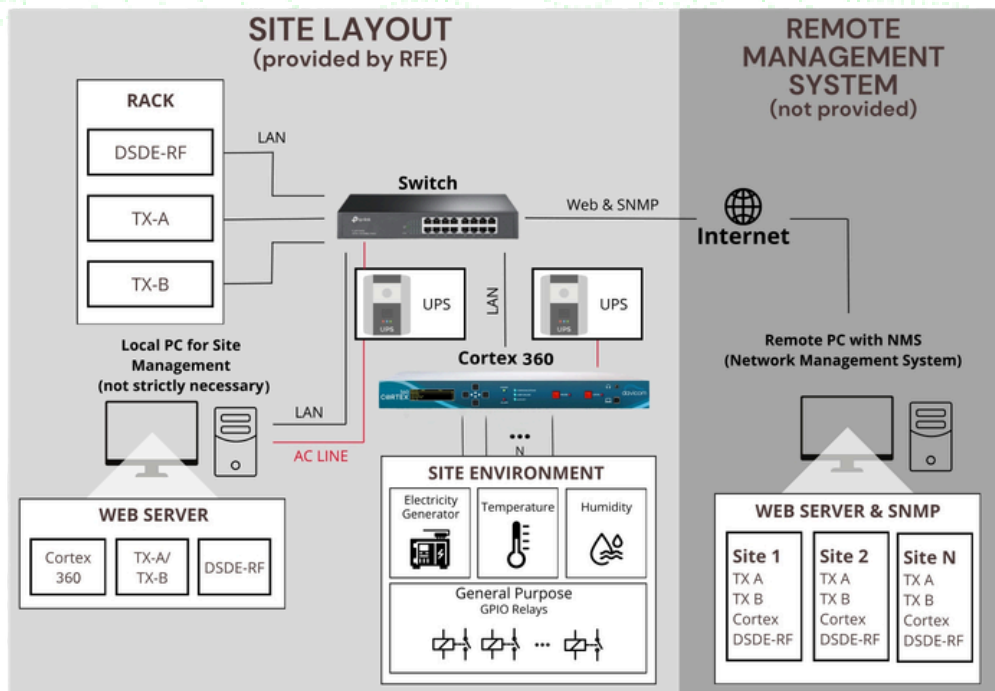


RFE SMART LINK

RFE Smart Link provides total infrastructure control by bridging the gap between local operations and global supervision, integrating world-class transmission with **Davicom's Cortex 360** for intelligent remote management.

The Site Architecture Hardware Provided by RFE

- **Transmission Core:** Dual redundant transmitters (TX-A & TX-B) and the DSDE-RF unit ensure your signal never stops.
- **Resilient Power:** Integrated monitoring for UPS units and Electricity Generators to safeguard against AC line failures.
- **Smart Networking:** A centralized Switch connects all components via LAN, allowing for local PC management when necessary.
- **Environmental Safety:** Real time tracking of Temperature and Humidity to protect sensitive rack equipment.



Featured Technology – Davicom Cortex 360

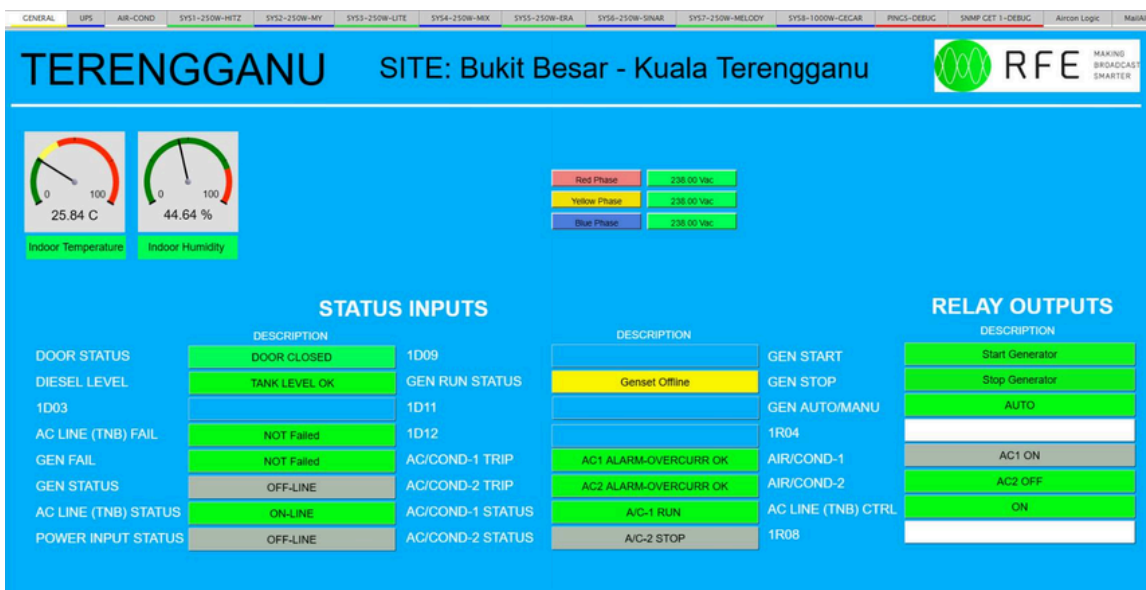
CORTEX 360	Professional Grade	Linux-based OS with full EM/ESD immunity.
	Precision Metering	8 high-resolution analog and 16 digital inputs.
	Autonomous Logic	128 virtual gates and schedulers for automation.
	Universal Connectivity	Supports SNMP (V1-V3), ModBus, and HTTP/S.
	Extreme durability	Reliable operation from -40°C to +70°C.
	Mobile ready	Dedicated apps for Android and iOS management.



BEYOND SIMPLE MONITORING

While a standard NMS merely observes your network from a distance, the **RFE SMART LINK** ecosystem, merging the power of the Cortex360 RTU (Remote Terminal Unit) with the reliability of RFE equipment, evolves passive monitoring into active, resilient control.

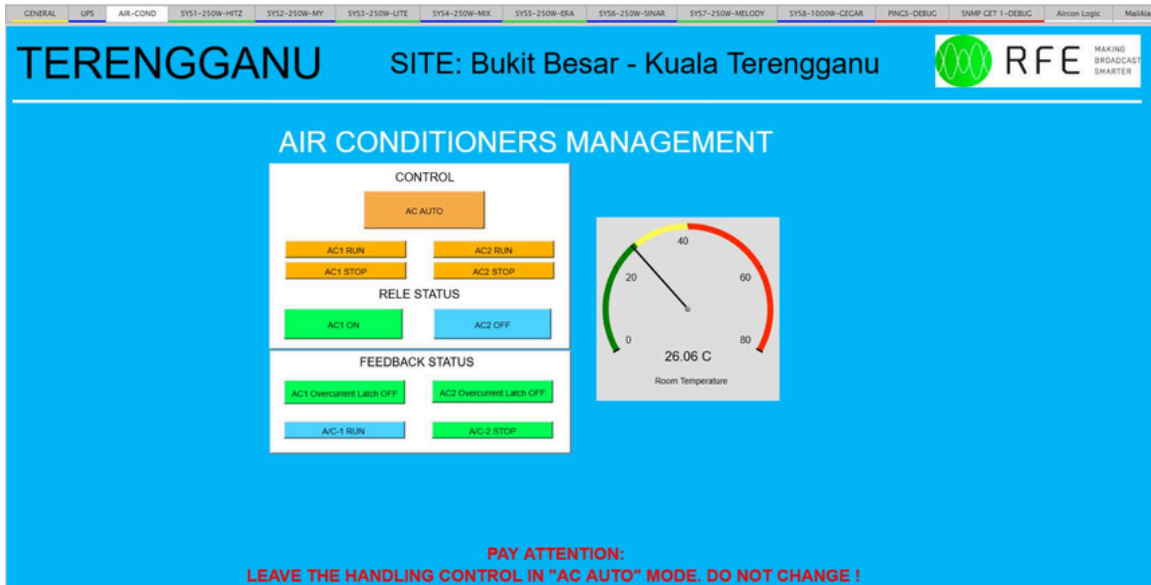
RFE SMART LINK acts as a true "local brain" at your remote site: it autonomously manages emergencies, triggers physical I/O automation, and makes critical decisions instantly, even during a total network blackout. Don't just monitor your infrastructure: make it self-sufficient, protected, and intelligent in real time. This advanced control is fully accessible via an integrated web server and managed through the SNMPv2c protocol.



General site environment parameters

SMART SITE CLIMATE CONTROL

Our automation system optimizes shelter temperature by managing dual air conditioning units. To ensure balanced wear and extend equipment life, the units alternate every 6 hours. In the event of extreme heat, both units activate simultaneously to provide maximum cooling and protect your hardware.



RFE 1+1 REDUNDANCY SYSTEM WITH DSDE AND TRANSMITTERS

This interface monitors the overall status of the radio station, showing real-time health for both RFE transmitters and indicating whether the main or standby unit is on-air.

The system provides seamless management of the entire RFE chain, with support for both automatic and manual switching modes.

