
CDA Secure

Secure Supply Chain and Production Assurance for Critical Digital Assets (CDA)

For customers requiring maximum cybersecurity assurance for Critical Digital Assets (CDA), Southwest Microwave has introduced the availability of CDA Secure - a secure supply chain and production assurance program for our digital sensor products.

CDA Secure services include the following processes to ensure the protection of digital sensors produced and destined for shipment to customers requiring that the following criteria be met:

- **Supply Chain Protection:** Southwest Microwave uses only validated vendors for CDA hardware components. Embedded firmware is developed and loaded on the CDA in a secure (access controlled) environment. Installation Service Tool application software (used to configure the CDA) is also developed in a secure environment. Software media and CDA are stored in a secure environment prior to shipment. Additionally, Southwest Microwave supplies tamper-evident seals on CDA enclosures.
- **CDA Trustworthiness (Cyber-Integrity):** Southwest Microwave CDAs are fixed configurable sensors running dedicated applications and processes. Embedded firmware is loaded on the CDA in a secure environment. Configuration checksums are used to ensure the integrity of alarm package delivery.

Non-POE digital CDAs are not field-configurable over the communications network. No upload of embedded firmware can be achieved in the field via communications ports on the CDA. There are no wireless connections to the CDA and access (via physical connection) to the CDA is password-protected. The CDA contains a physical Tamper Switch to detect physical tampering attempts.

POE devices can be remotely reconfigured over a TCP/IP network if the Tamper Switch is activated. Password-protected connection to the device will also trigger a Service Alarm.

CDA Secure services are available for an additional charge, assessed per device. Please consult your Southwest Microwave Sales Representative for further details about the CDA Secure program, or a quotation for these services.