

IoT Device Security Evaluation Checklist

DEVICE IDENTITY & ACCESS CONTROL

CHECK	STATUS	REMARKS
Unique device IDs		
Secure authentication (e.g. passwords, keys)		
Role-based access control (RBAC)		
Default credentials changed		

DATA SECURITY

CHECK	STATUS	REMARKS
Data encryption at rest		
Data encryption in transit		
Data minimization		
Secure storage of sensitive data		

FIRMWARE & SOFTWARE

CHECK	STATUS	REMARKS
Secure boot process		
Regular firmware updates supported		
Signed firmware/software		
Update rollback protection		

NETWORK SECURITY

CHECK	STATUS	REMARKS
Secure communication protocols (e.g. TLS)		
Firewall enabled by default		
Port and service minimization		
Intrusion detection support		

PHYSICAL SECURITY

CHECK	STATUS	REMARKS
Tamper-resistant hardware		

Secure debug interfaces

Manufacturing security controls

Notes:

Status: Use for marking as Yes/No, Compliant/Non-Compliant, or other short notes.

Remarks: Add further details or actions required.