

S4 Table Comparison of security features

Feature	Park <i>et al.</i> [69]	Shuai <i>et al.</i> [36]	Das <i>et al.</i> [30]	Shin <i>et al.</i> [31]	Challa <i>et al.</i> [22]	Srinivas <i>et al.</i> [33]	Wazid <i>et al.</i> [35]	Chen <i>et al.</i> [27]	SRUA-IoT
UA	×	✓	×	✓	×	✓	✓	×	✓
UI	✓	✓	✓	✓	×	×	×	×	✓
DS	✓	✓	×	×	×	✓	✓	✓	✓
SSC/SSD	×	×	✓	✓	×	×	×	✓	✓
PI	×	×	×	✓	×	×	×	×	✓
PG	✓	×	✓	✓	×	✓	✓	×	✓
UT	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESL	✓	✓	×	✓	✓	✓	✓	✓	✓
SKS	✓	✓	×	✓	✓	✓	✓	✓	✓
DoS	✓	✓	×	✓	✓	✓	✓	×	✓
MITM	✓	✓	×	✓	✓	✓	✓	✓	✓
RA	✓	✓	×	✓	✓	✓	✓	×	✓
MA	✓	✓	✓	✓	✓	✓	✓	✓	✓
RP	✓	✓	×	×	✓	✓	✓	✓	✓
NDD	✓	✓	×	✓	✓	✓	×	✓	✓
BAN	✓	✓	×	✓	✓	×	×	✓	✓
ROM	✓	✓	✓	✓	✓	✓	×	✓	✓

Note: DS: de-synchronization, RA: replay attack, SKS: SK security, ROM: validation using ROM.