



**Tactical switch**

**SP-110c-01**

## Based on CISCO Embedded Services

## Management through Cisco IOS XE

## The ability to connect up to 10 network devices

## ZERO reset button

# Technical parameters

### BASIC FUNCTIONALITIES

Connecting and cooperating with up to 10 network devices (5 electrical interfaces 10/100/1000Base-T/Tx, 5 optical interfaces 1000Base-Sx)

Management through efficient and safe CISCO IOS XE operating system.

Desing to both mobile and stationary usage.

High security level due to ZERO button, which allows for quick resetting of settings both through to software, e.g., port security, 802.1x, Dynamic Host Configuration Protocol (DHCP) snooping, dynamic ARP inspection, IP source guard, guest VLAN.

### INTERFACES

**Electrical Ethernet Interface 4x10/100/1000Base-T/TX**  
(MAX 1 GBE)

Another four (4x) might be a combination of interfaces listed below:

**10/100/1000Base-T/TX**  
**100Base-FX**  
**1000Base-SX**

And a chosen combination of two (2x) interfaces listed below (MAX 10 GBE):

1000Base-SX  
1000Base-T/10GBase-T

### MANAGEMENT

Management interfaces acc. CISCO – serial console, remote control and dedicated applications;

### POWER SUPPLY

Power supply +27 V (from 18 V to 32 V)  
Power consumption <30 W

## Tactical switch SP-110c-01

The SP-110c-01 is designed to work in sets of mobile and stationary equipment, enabling creation and extension of local Ethernet networks. The device is able to cooperate with other devices through ethernet connection in compliant to IEEE802.3 standard.

The SP-110c-01 is based on CISCO ESS 3300 series systems, enabling the possibility of connection up to 10 network devices in the second layer. The device support various transmission standards, both electrical and optical.

### NETWORK FUNCTIONS

IEEE 802.1, 802.3 standard, NTP, UDLD, CDP, LLDP, unicast MAC filter, VTPv2, VTPv3, EtherChannel, PVST+ IGMPv1, v2, v3 snooping, IGMP filtering, IGMP querier.

Support for the MSTP and RSTP protocols

Separation of VLAN

Separation of transmitted data by creating VLANs

Support for QoS: autoQoS, rate limit, ingress policing, egress queuing/shaping

Layer 2 IPv6: IPv6 host support, HTTP over IPv6, SNMP over IPv6

### OTHER TECHNICAL PARAMETERS

Mechanical and climatic classification N.7-O-II(A and B) group, acc. NO-06-A101÷108 (MIL-STD-810G compliant) (multi-use and continuous use equipment)

Electromagnetic compatibility NO-06-A200 (MIL-STD-461F compliant) (KRE-02, KCE-02, KCS-01, KCS-06, KCS-07, KCS-08, KRS-02)

Operating temperature from -30°C to +60°C

Storage temperature from -40°C to +65°C

Humidity resistance 95-98% at +40°C

### SECURITY FEATURES

Support port security and multidomain authentication in acc. with the 802.1x standard,

RADIUS client and server, MAC address notification, BPDU guard

Dynamic Host Configuration Protocol (DHCP) snooping

IP source guard, guest VLAN

SCP, SSH, SNMPv3, TACACS+