

Product-type designation

SCALANCE WLC711 (RoW)



IWLAN CONTROLLER SCALANCE WLC711;
NATIONAL APPROVALS FOR USE OUTSIDE NORTHERN AMERICA,
CANADA AND JAPAN (ROW) FOR 16 ACCESS POINTS;
EXPANDABLE TO 32 ACCESS POINTS;
REDUNDANCY;
LAYER 3-ROAMING;
VOIP SUPPORT;
POWER DISTRIBUTION;
INTERNAL CAPTIVE PORTAL PLEASE NOTE NATIONAL APPROVALS!

Product description

Supports SCALANCE W786C, W788C, W786-2HPW access points

Acceptability for application

Basic license for 16 access points pre-installed, expandable with 1 capacity upgrade license key WLC-700

Transmission rate

Transmission rate / with Industrial Ethernet

10 ... 1000 Mbit/s

Interfaces

Number of electrical connections

- for network components and terminal equipment
- for power supply

2

1

Design of the electrical connection

- for network components and terminal equipment
- for power supply

RJ45 socket

2-pole screw terminal

Supply voltage, current consumption, power loss

Type of / supply voltage

DC

Supply voltage / 1 / from terminal block

24 V

Consumed current / at 24 V / with DC / typical

4 A

Active power loss / at 24V / for DC / typical

20 W

Permitted ambient conditions

Ambient temperature

during operating	5 ... 40 °C
during storage	-40 ... +60 °C
during transport	-40 ... +60 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Width	262 mm
Height	142 mm
Depth	47 mm
Net weight	2 kg
Mounting type	
wall mounting	Yes
Mounting type	Wall mounting using the supplied mounting brackets
Product functions / management, configuration	
Product function	
CLI	Yes
web-based management	Yes
MIB support	Yes
WDS	Yes
Protocol / is supported	
Address Resolution Protocol (ARP)	No
ICMP	Yes
Telnet	Yes
HTTP	Yes
HTTPS	Yes
TFTP	Yes
SNMP v2	Yes
SNMP v3	Yes
DCP	No
LLDP	No
Product functions / Diagnosis	
Product function / SysLog	Yes
Product functions / VLAN	
Product function / function VLAN with IWLAN	Yes
Product functions / DHCP	
Product function	
DHCP client	No
Product functions / Security	
Product function	

• IEEE 802.1x (radius)	Yes
• NAT/NAPT	No
• access protection according to IEEE802.11i	Yes
• WPA/WPA2	Yes
• TKIP/AES	Yes
Protocol / is supported / SSH	Yes
Product functions / Time	
Protocol / is supported	
• NTP	Yes
• SNTP	No
• SIMATIC Time	No
Product functions / IWLAN controller	
Number of supported access points	
• in standard mode with one IWLAN controller	32
• in redundancy mode with two IWLAN controllers	64
Number of supported WLAN clients / per IWLAN controller	512
Number of VNS segments / per IWLAN controller	8
Product function	
• of the IWLAN controller	If delivered with basic license, 16 access points can operated in standard mode and 32 access points can operate in redundant mode. A capacity upgrade permits 32 access points in standard mode and 64 access points in redundant mode.
• Pre-standard (CAPWAP)	Yes
• integrated VLAN-VNS	Yes
• auto-detection of new access points	Yes
• CDR/RADIUS accounting	Yes
• Dynamic Radio Management	Yes
• VoIP QoS mapping (DSCP/TCP-on-WMM)	Yes
• VoIP roaming between IP subnets	Yes
• VoIP roaming between several IWLAN controllers	Yes
Load distribution function	DRM (Dynamic Radio/ RF Management), Packet Fairness, Flexible Client Access (Airtime Fairness), Load Balancing, Band-Steering
Backup function for IWLAN controller	Redundancy mode with two IWLAN controllers (with capacity upgrade for both controllers, both controllers can be operated with 32 access points each. If one controller fails, the remaining controller can handle 64 access points.)
Switching function	Traffic bridged at controller/traffic bridged locally at wireless access point
Design of interface / for public network access	Internal captive portal (web redirection)
Standards, specifications, approvals	
Standard	
• for EMC / from FM	-

- for safety / of CSA and UL

UL 60950-1 CSA C22.2 No. 60950-1, UL 508 CAN/CSA C22.2 No. 142

Verification of suitability

- CE mark
- EC declaration of conformity
- C-Tick
- Railway application in accordance with EN 50155
- E1 approval
- NEMA4X
- Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af
- Power-over-Ethernet according to IEEE802.3at for type 2

Yes
Yes
Yes
No
No
No
No
No

Standard for wireless communication

- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11e
- IEEE 802.11g
- IEEE 802.11h
- IEEE 802.11i
- IEEE 802.11n

Yes
Yes
Yes
Yes
Yes
Yes
Yes

Wireless approval

You will find the current list of countries at:
www.siemens.de/funkzulassungen

Accessories

Accessories

24 V DC screw terminal and 2 mounting brackets included in the scope of delivery

letzte Änderung:

Jul 28, 2014