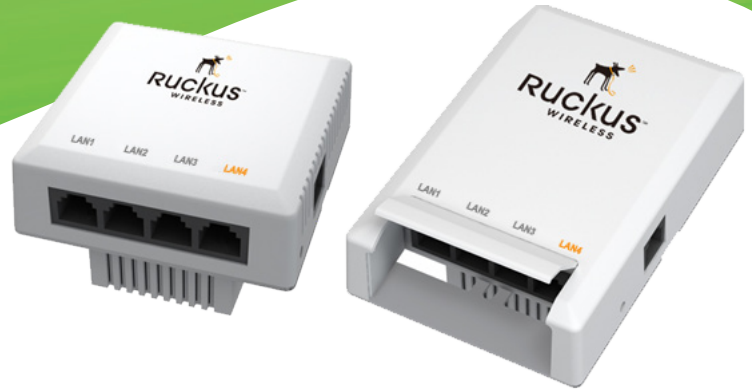# ZoneFlex™ 7025
Multiservice 802.11n Wired/Wireless Wall Switch

The First High Performance 802.11n Integrated Wired/Wireless Wall Switch

The Ruckus ZoneFlex 7025 is the industry's first wired and wireless wall switch that integrates high-speed 802.11n Wi-Fi into an ultra-sleek, low-profile design that can be quickly and discretely installed in a standard wall junction box.

Ideal for offering converged services within hotel guest rooms and university dormitories, the ZoneFlex 7025 provides an easy way to offer multiple connections into a single room without multiple cables.

The ZoneFlex 7025 delivers high performance 2.4GHz 802.11n wireless coverage and four wired Ethernet access connections that can be used to support a range of in-room IP device and user connectivity options. An additional pass-through port allows connectivity for digital phones that requires native access to an in-house PBX system.

An IEEE 802.3af-compliant POE port, up to 15.4 watts, powers devices such as IP telephones directly from the wall switch. The ZoneFlex 7025 requires only a single POE cable drop thereby reducing cabling, switch ports, and power sourcing equipment.

The ZoneFlex Wi-Fi Wall Switch is completely inconspicuous, minimizing the protrusion off the wall to make in-room cabling and furniture arrangement simple. Flexible deployment options allow the ZoneFlex 7025 to be easily installed via two uplink Ethernet options: an RJ-45 Ethernet jack or a 110 punch down block connection.

The ZoneFlex 7025 can be deployed as a standalone device or centrally managed by the Ruckus ZoneDirector or FlexMaster Wi-Fi system management platform.

With the ability to broadcast up to eight SSIDs per device, the ZoneFlex 7025 supports port-based VLANs. Authentication options include: 802.1x, MAC-based, captive portal, LDAP, RADIUS, Active Directory and through an internal user database.

BENEFITS

Ubiquitous connectivity
In-room device provides complete wired and wireless connectivity for a wide range of devices and applications

Converged IP services
Multiple SSIDs, port-based VLANs and robust authentication options make the ZoneFlex 7025 idea for supporting concurrent IP-based services such as VoIP, IPTV, high-speed Internet access and in-room device connectivity

Standalone or centrally managed
The ZoneFlex 7025 can be deployed in standalone mode or centrally managed by the Ruckus ZoneDirector or Ruckus FlexMaster systems

Superior, fast Wi-Fi connectivity
802.11n system delivers ultra high-speed connectivity and extends coverage in-room and beyond

Flexible deployment options
The ZoneFlex 7025 requires a signle POE cable drop, reducing cabling, switch ports and power sourcing equipment

Easy installation
Installs into any standard network wall jack, offering two Ethernet uplink options: RJ-45 connector and a 110 punch down block

Sleek, inconspicuous compact form factor for best aesthetics
Low profile design and front port access eliminates unslightly cabling and disruptive furniture placement
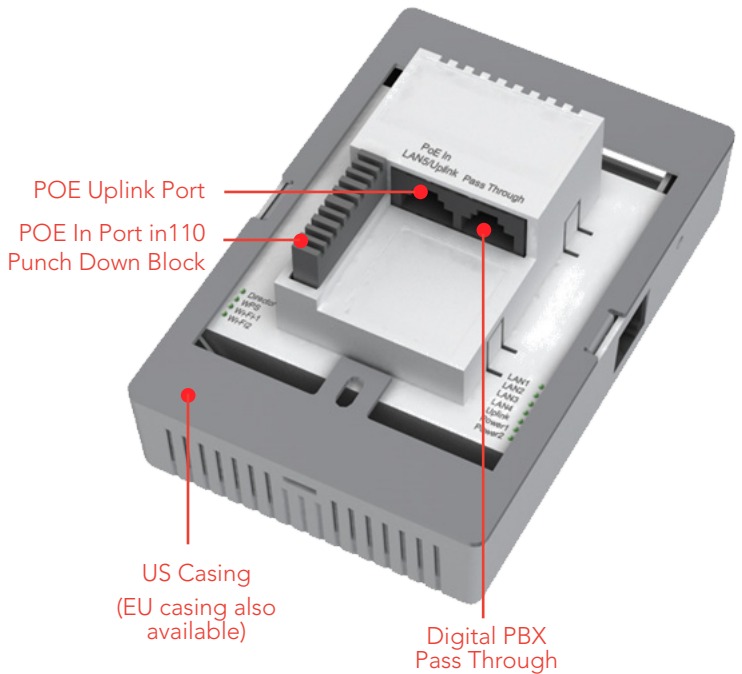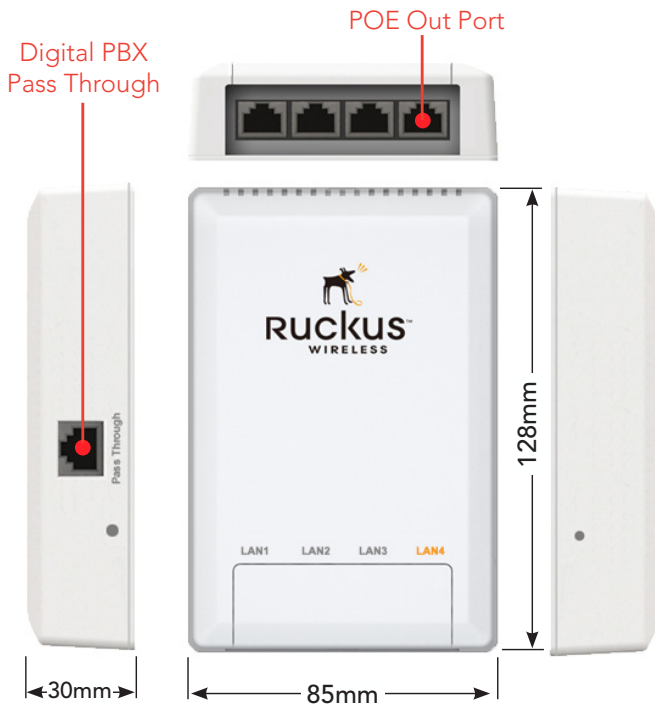
Integrated POE support eliminates more wires
Provides POE out to power devices such as IP-based VoIP phones eliminating the need for more power chords that clutter the environment
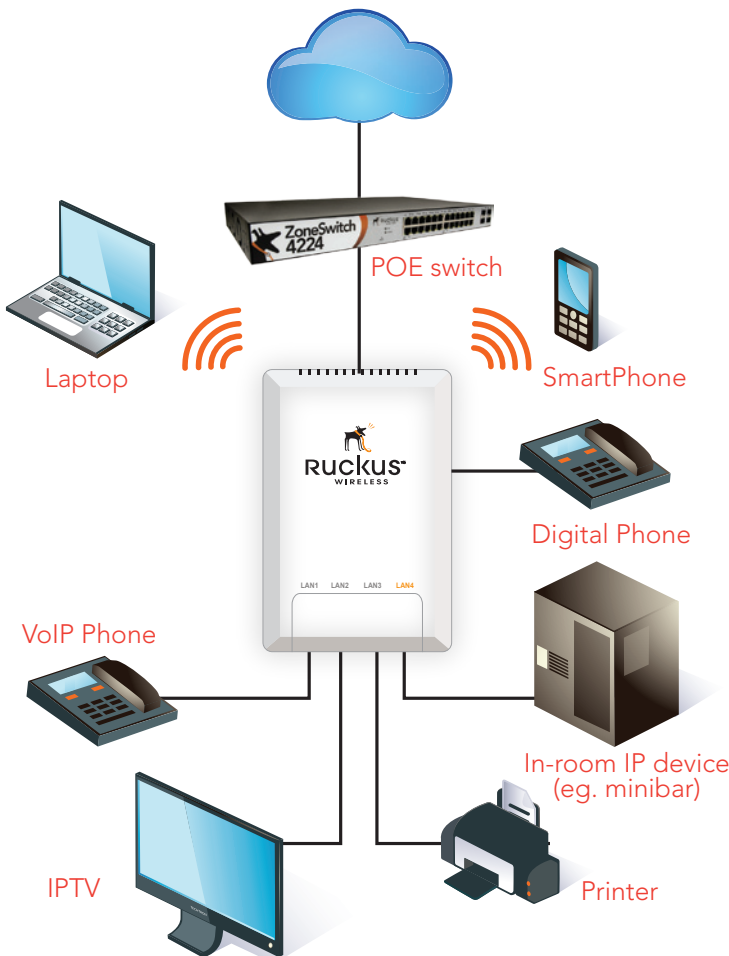
Plug and play for existing digital phones
Passthrough port allows native connectivity for existing digital phones

Ruckus™ WIRELESS

Digital PBX
Pass Through

POE Out Port

POE Uplink Port

POE In Port in110
Punch Down Block

128mm

30mm

85mm

US Casing
(EU casing also
available)

Digital PBX
Pass Through

CONVERGED WIRED AND WIRELESS SERVICES

POE switch

Laptop

SmartPhone

Digital Phone

VoIP Phone

In-room IP device
(eg. minibar)

IPTV

Printer

FEATURES

- Integrated Wi-Fi AP and Ethernet wall switch

- High Performance 2.4GHz 11n Wi-Fi and four
  Ethernet access ports offers HSIA

- Wi-Fi Redundancy, in-room coverage as well
  as corridor and adjacent room

- Powered by either POE or 48VDC

- Supplies POE power 7W or 15W, depending
  on input power

- SmartCast QoS

- 8 BSSIDs with unique QoS and security
  policies

- WEP, WPA-PSK, WPA-TKIP, WPA2 AES,
  802.11i

- 802.1X support for RADIUS and Active
  Directory*

- Zero-IT and Dynamic PSK*

- Captive portal and guess accounts*

- Mounts into standard US and EU single gang
  wall jack

- RJ-45 or 110 punch down block options for
  uplink Ethernet port

- One RJ-45 pass-through connection

* with ZoneDirector

Specifications

PHYSICAL CHARACTERISTICS

POWER	• POE 802.3af/802.3at • 48VDC
POWER DRAW	• Without POE Out: 7W Max • With maximum POE output (15.4W): 23W Max
PHYSICAL SIZE	• US/UN Casing (per NEMA WD6-2002): 128mm(L), 85mm(W), 56mm(H) • WW Casing (per BS 4662-2006+A1-2009): 85mm(L), 85mm(W), 56mm(H)
WEIGHT	• US/UN 150g • WW 140g
PHYSICAL PORTS	• 4 10/100Mbps, auto MDX, auto sensing, RJ-45 Ethernet access ports • Port 4 of the access ports provides 802.3af Class0/2 POE power • 1 10/100Mpbs, auto MDX, auto sensing, RJ-45 or 110 punch down block Ethernet access port • 1 RJ-45 pass-through port
ENVIRONMENTAL CONDITIONS	• Operating temperature: 0-40° C • Operating humidity: 15-95% non-condensing

TRAFFIC MANAGEMENT AND QUALITY OF SERVICE

AUTOMATIC TRAFFIC CLASSIFICATION	• Automatic prioritization of VoIP and video traffic
VLAN SUPPORT	• 802.1Q • Port-based VLAN
CLASSES OF SERVICE	• Voice, video, best effort and background
SOFTWARE QUEUE	• Four (4) per station
802.11e	• Supported

DEPLOYMENT

OPTIONS	• Individually managed • Managed by ZoneDirector • Managed by FlexMaster

MANAGEMENT

CONFIGURATION	• Web user interface, CLI, Telnet, SSH HTTP(s), SNMP via ZoneDirector, HTTPs/XML/SOAP via FlexMaster
STATISTICS	• LAN, wireless and associated stations (accessible via WEB UI)
AUTO AP SOFTWARE UPDATES	• FTP or TFTP, remote auto upgrade available

WI-FI

STANDARDS	• IEEE 802.11b/g/n • 2.4GHz
SUPPORTED DATA RATES	• **802.11n:** 6.5Mbps – 150Mbps • **802.11b:** 1, 2, 5.5 and 11Mbps • **802.11g:** 6, 9, 12, 18, 24, 36, 48 and 54Mbps
RADIO CHAINS	• 1 x 1
SPATIAL STREAMS	• 1
RF POWER OUTPUT	• 16dBm
FREQUENCY BAND	• 2.4-2.484GHz
OPERATING CHANNELS	• US/Canada: 1-11 • EU (ETSI X30): 1-13 • Channel availability is country dependent according to the local regulations
BSSID	• 8
WIRELESS SECURITY	• WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i • Authentication via 802.1X with ZoneDirector, local authentication database, support for RADIUS, LDAP, and Active Directory
CERTIFICATIONS	• TUS, Canada, EU, China, India, Australia, New Zealand, Malaysia, Thailand, Singapore, Indonesia, Philippines

Product Ordering Information

Model	Description
ZoneFlex 7025 Wi-Fi Wall Switch	
901-7025-XX01	ZoneFlex 7025 Wi-Fi Wall Switch

PLEASE NOTE: When ordering you must specify the destination region by indicating -US, -UN, or -WW instead of XX.

Ruckus™ WIRELESS

www.ruckuswireless.com