

# 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 passthrough 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 ideal 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 single 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 unsightly cabling and disruptive furniture placement

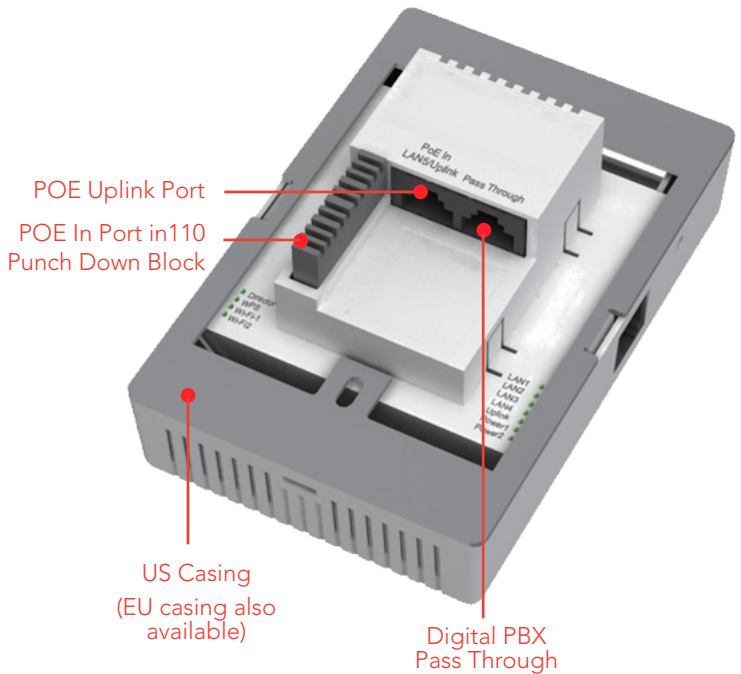
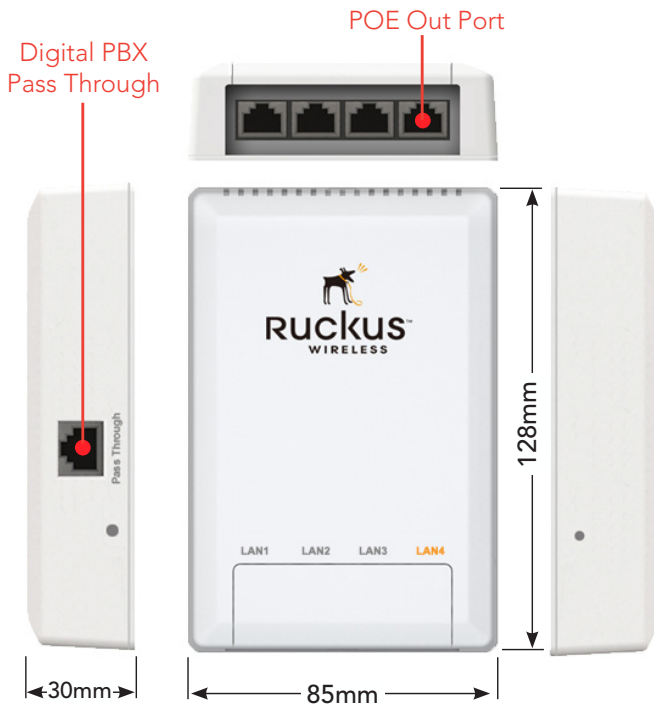
### Integrated POE support eliminates more wires

Provides POE out to power devices such as IP-based VoIP phones eliminating the need for more power chords that clutter the environment

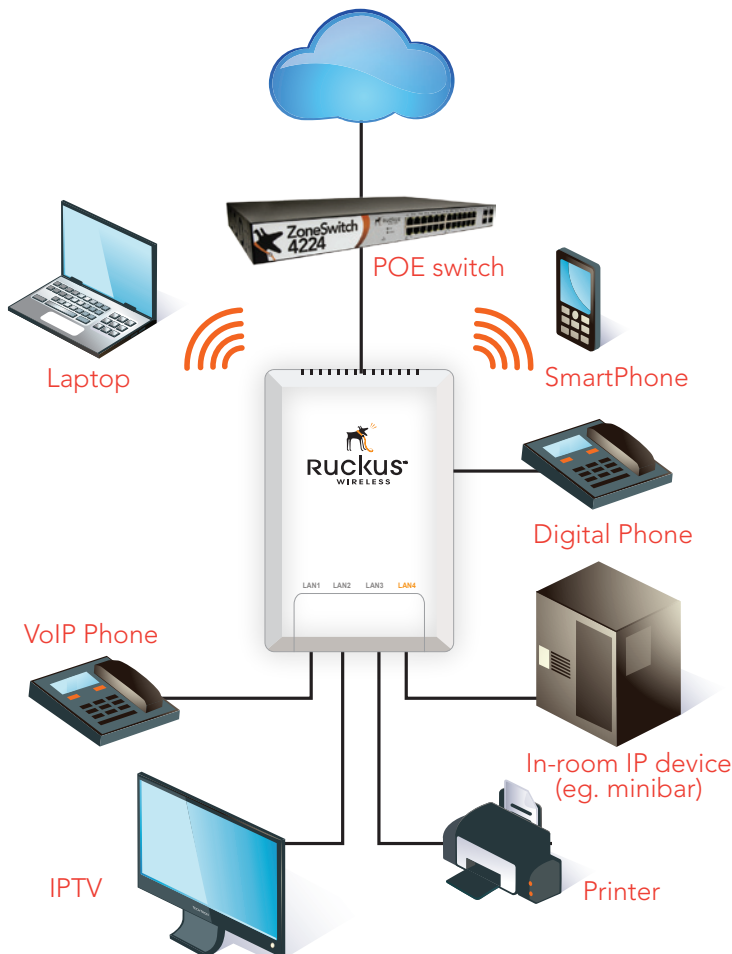
### Plug and play for existing digital phones

Passthrough port allows native connectivity for existing digital phones





## CONVERGED WIRED AND WIRELESS SERVICES



## 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

<b>POWER</b>	<ul style="list-style-type: none"><li>• POE 802.3af/802.3at</li><li>• 48VDC</li></ul>
<b>POWER DRAW</b>	<ul style="list-style-type: none"><li>• Without POE Out: 7W Max</li><li>• With maximum POE output (15.4W): 23W Max</li></ul>
<b>PHYSICAL SIZE</b>	<ul style="list-style-type: none"><li>• US/UN Casing (per NEMA WD6-2002): 128mm(L), 85mm(W), 56mm(H)</li><li>• WW Casing (per BS 4662-2006+A1-2009): 85mm(L), 85mm(W), 56mm(H)</li></ul>
<b>WEIGHT</b>	<ul style="list-style-type: none"><li>• US/UN 150g</li><li>• WW 140g</li></ul>
<b>PHYSICAL PORTS</b>	<ul style="list-style-type: none"><li>• 4 10/100Mbps, auto MDX, auto sensing, RJ-45 Ethernet access ports</li><li>• Port 4 of the access ports provides 802.3af Class0/2 POE power</li><li>• 1 10/100Mbps, auto MDX, auto sensing, RJ-45 or 110 punch down block Ethernet access port</li><li>• 1 RJ-45 pass-through port</li></ul>
<b>ENVIRONMENTAL CONDITIONS</b>	<ul style="list-style-type: none"><li>• Operating temperature: 0-40° C</li><li>• Operating humidity: 15-95% non-condensing</li></ul>

## TRAFFIC MANAGEMENT AND QUALITY OF SERVICE

<b>AUTOMATIC TRAFFIC CLASSIFICATION</b>	<ul style="list-style-type: none"><li>• Automatic prioritization of VoIP and video traffic</li></ul>
<b>VLAN SUPPORT</b>	<ul style="list-style-type: none"><li>• 802.1Q</li><li>• Port-based VLAN</li></ul>
<b>CLASSES OF SERVICE</b>	<ul style="list-style-type: none"><li>• Voice, video, best effort and background</li></ul>
<b>SOFTWARE QUEUE</b>	<ul style="list-style-type: none"><li>• Four (4) per station</li></ul>
<b>802.11e</b>	<ul style="list-style-type: none"><li>• Supported</li></ul>

## DEPLOYMENT

<b>OPTIONS</b>	<ul style="list-style-type: none"><li>• Individually managed</li><li>• Managed by ZoneDirector</li><li>• Managed by FlexMaster</li></ul>
----------------	--

## MANAGEMENT

<b>CONFIGURATION</b>	<ul style="list-style-type: none"><li>• Web user interface, CLI, Telnet, SSH HTTP(s), SNMP via ZoneDirector, HTTPs/XML/SOAP via FlexMaster</li></ul>
<b>STATISTICS</b>	<ul style="list-style-type: none"><li>• LAN, wireless and associated stations (accessible via WEB UI)</li></ul>
<b>AUTO AP SOFTWARE UPDATES</b>	<ul style="list-style-type: none"><li>• FTP or TFTP, remote auto upgrade available</li></ul>

## WI-FI

<b>STANDARDS</b>	<ul style="list-style-type: none"><li>• IEEE 802.11b/g/n</li><li>• 2.4GHz</li></ul>
<b>SUPPORTED DATA RATES</b>	<ul style="list-style-type: none"><li>• 802.11n: 6.5Mbps – 150Mbps</li><li>• 802.11b: 1, 2, 5.5 and 11Mbps</li><li>• 802.11g: 6, 9, 12, 18, 24, 36, 48 and 54Mbps</li></ul>
<b>RADIO CHAINS</b>	<ul style="list-style-type: none"><li>• 1 x 1</li></ul>
<b>SPATIAL STREAMS</b>	<ul style="list-style-type: none"><li>• 1</li></ul>
<b>RF POWER OUTPUT</b>	<ul style="list-style-type: none"><li>• 16dBm</li></ul>
<b>FREQUENCY BAND</b>	<ul style="list-style-type: none"><li>• 2.4-2.484GHz</li></ul>
<b>OPERATING CHANNELS</b>	<ul style="list-style-type: none"><li>• US/Canada: 1-11</li><li>• EU (ETSI X30): 1-13</li><li>• Channel availability is country dependent according to the local regulations</li></ul>
<b>BSSID</b>	<ul style="list-style-type: none"><li>• 8</li></ul>
<b>WIRELESS SECURITY</b>	<ul style="list-style-type: none"><li>• WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i</li><li>• Authentication via 802.1X with ZoneDirector, local authentication database, support for RADIUS, LDAP, and Active Directory</li></ul>
<b>CERTIFICATIONS</b>	<ul style="list-style-type: none"><li>• TUS, Canada, EU, China, India, Australia, New Zealand, Malaysia, Thailand, Singapore, Indonesia, Philippines</li></ul>

## 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.

