





# Product Guide



ZONEFLEX: Enterprise WLAN and Hot Zones

INDOOR ACCESS POINTS				
	2942	7343	7363	7962
Technology	802.11b/g	802.11b/g/n	802.11a/b/g/n	802.11a/b/g/n
Spectrum	2.4GHz	2.4GHz	2.4GHz/5GHz	2.4GHz/5GHz
Ports	2x10/100 Mbps	1x10/100/1000 Mbps, 2x10/100 Mbps	1x10/100/1000 Mbps, 2x10/100 Mbps	2x10/100/1000 Mbps
Theoretical max. speed	54 Mbps	300 Mbps	600 Mbps	600 Mbps
802.3 af (PoE) in support	√	√	√	√
Power output	24dBm/250mw	26dBm/400mw	2.4 GHz: 26dBm/400mw 5 GHz: 24dBm/250mw	2.4GHz: 28dBm/600mw 5GHz: 26dBm/400mw
Link layer security	WEP, WPA-TKIP, WPA2-AES, 802.11i	WEP, WPA-TKIP, WPA2-AES, 802.11i	WEP, WPA-TKIP, WPA2-AES, 802.11i	WEP, WPA-TKIP, WPA2-AES, 802.11i
Antenna elements/signal paths	12/4096	8/256	14/320	19/4224
Antenna gain/interference rejection	9dBi/-20dB	4dBi/-10dB	4dBi/-10dB	7dBi/-15dB
Simultaneous users	100+	100+	200+	200+
Deployment	Wall/ceiling	Wall/ceiling/desktop	Wall/ceiling/desktop	Wall/ceiling
Management	FlexMaster, ZoneDirector, standalone	FlexMaster, ZoneDirector, standalone	FlexMaster, ZoneDirector, standalone	FlexMaster, ZoneDirector, standalone
Management protocol(s)	SNMP, HTTPs/XML	SNMP, HTTPs/XML	SNMP, HTTPs/XML	SNMP, HTTPs/XML
SSIDs/WLANs	8	8	16	16
SKU / Part Number	901-2942-XX01	901-7343-XX01	901-7363-XX01	901-7962-XX01


ZONEFLEX: Enterprise WLAN and Hot Zones

OUTDOOR ACCESS POINTS AND BRIDGES					
	2741	7761-CM	7762	7762-S	7731 Wireless Bridge
Technology	802.11b/g	802.11a/b/g/n	802.11a/b/g/n	802.11a/b/g/n	802.11n
Spectrum	2.4GHz	2.4GHz / 5GHz	2.4GHz / 5GHz	2.4GHz / 5GHz	5GHz
Ports	1x10/100 Mbps	1x10/100 Mbps	1x10/100/1000 Mbps 1 x 10/100 PoE output	1x10/100/1000 Mbps 1 x 10/100 PoE output	1x10/100/1000 Mbps
Theoretical max. speed	54 Mbps	600 Mbps	600 Mbps	600 Mbps	300 Mbps
802.3 af (PoE) in support	√	DOCSIS 3.0 8x4	√*	√*	√
802.3 af (PoE) out support		√	√	√	
Power output	27dBm/500mw	28dBm/600mw	2.4GHz: 28dBm/600mw 5GHz: 26dBm/400mw	2.4GHz: 28dBm/600mw 5GHz: 26dBm/400mw	5GHz: 22dBm/160mw
Link layer security	WEP, WPA-TKIP, WPA2-AES, 802.11i	WEP, WPA-TKIP, WPA2-AES, 802.11i	WEP, WPA-TKIP, WPA2-AES, 802.11i	WEP, WPA-TKIP, WPA2-AES, 802.11i	WEP, WPA-TKIP, WPA2-AES, 802.11i
Antenna elements/signal paths	12/4096	12/4096	19/4224	12/24	30 degree 3dB beamwidth
Antenna gain/interference rejection	10dBi/-20dB	9dBi	7dBi/-15dB	10dBi/-15dB	14dBi
Simultaneous users	100+	200+	200+	200+	N/A
Deployment	Pole/wall/ceiling	Strand	Pole/wall/ceiling	Pole/wall/ceiling	Pole/wall/ceiling
Management	FlexMaster, ZoneDirector, standalone	FlexMaster, ZoneDirector, standalone	FlexMaster, ZoneDirector, standalone	FlexMaster, ZoneDirector, standalone	FlexMaster, standalone
Management protocol(s)	SNMP, HTTPs/XML	SNMP, HTTPs/XML	SNMP, HTTPs/XML	SNMP, HTTPs/XML	SNMP, HTTPs/XML
SSIDs/WLANs	8	16	16	16	N/A
SKU / Part Number	901-2741-XX01	901-7761-XXCM	901-7762-XX01	901-7762-XXS1	901-7731-XX02


\*7762 supports 802.3af and 802.3at PoE in

# Smart Wi-Fi Product Guide


## ZONEFLEX: Enterprise WLAN and Hot Zones

WIRED/WIRELESS WALL SWITCH	
	
<b>7025</b>	
WIRELESS	
Technology	802.11b/g/n
Spectrum	2.4GHz
Theoretical max. speed	150 Mbps
Power output	16dBm/40mW
SSIDs	8
WIRED	
Uplink port	10/100 Mbps, auto-MDX, auto-sensing, RJ-45 or 110 punch down
LAN/Access ports	4 x 10/100 Mbps, auto-MDX, auto-sensing, RJ-45
PoE in	Via the uplink port, 802.3af/802.3at
PoE out	LAN4 of the access port, 802.3af, Class 0/2 depends on PoE in
VLAN support	802.1Q
Telephony	Digital PBX passthrough, RJ-45
Deployment	Wall Plate
Management	FlexMaster, ZoneDirector, standalone
Management protocol(s)	SNMP, HTTPS/XML
SKU / Part Number	901-7025-XX01


## ZONEDIRECTOR: Enterprise WLAN and Hot Zones

MODEL		
	1000	3000
Number of APs supported	6,12,25,50	25,50,100,250,500
Physical size	25cm(L), 15.93cm(W), 3.86cm(H)	35.52cm(L), 43.18cm(W), 4.39cm(H) 1U rack
Ethernet ports	2 ports, auto MDX, auto-sensing, 10/100/1000 Mbps, RJ-45	2 ports, auto MDX, auto-sensing, 10/100/1000 Mbps, RJ-45
Authentication support	802.1X, Local database ActiveDirectory, RADIUS, LDAP	802.1X, Local database ActiveDirectory, RADIUS, LDAP
Guest networking/ Captive portal	√	√
DHCP	√	√
AP Discovery and control	L2/L3	L2/L3
SSID/WLAN support	32	32
Remote management	Web GUI, FlexMaster	Web GUI, FlexMaster
Management protocol(s)	SNMP	SNMP
VLAN support	802.1Q (per BSSID)	802.1Q (per BSSID)
Deployment	Out of datapath	Out of datapath
SKU / Part Number	901-10YY-XX00	901-3YYY-XX00

## FLEXMASTER and SMART/OS: Wi-Fi Management







MODEL	
FlexMaster	
Application	Remote Wi-Fi management
Platform	External Linux-based
Device management	Ruckus Smart Wi-Fi APs and controllers
Management protocol	HTTPS/XML
AP configuration	√
Delegated administration	√
WLAN configuration and administration	√
Bulk firmware upgrades for selected devices or groups	√
Configuration templates	√
Detailed reporting	√
SKU / Part Number	901-XXXX-FME0

## ZONESWITCH: Enterprise Networking

MODEL		
	4124	4224
Ethernet ports	20 x 10/100/1000 Mbps RJ-45, 4 x 10/100/1000 Mbps RJ-45 or SFP dual personality, auto-MDX, auto-sensing	20 x 10/100/1000 Mbps RJ-45, 4 x 10/100/1000 Mbps RJ-45 or SFP dual personality, auto-MDX, auto-sensing
Console	DB-9	DB-9
PoE out	24 x 802.3af	24 x 802.3at
PoE power budget	180W	375W
Spanning tree	STP/RSTP/MSTP	STP/RSTP/MSTP
VLAN support	802.1Q (256), Protocol Based, Private VLAN, GVRP	802.1Q (256), Protocol Based, Private VLAN, GVRP
Link aggregation	Static trunk and LACP	Static trunk and LACP
Security	802.1X for RADIUS and TACACS+, MAC based authentication, L2-L4 ACL	802.1X for RADIUS and TACACS+, MAC based authentication, L2-L4 ACL
QoS and Multimedia	IGMPv2 snooping, DiffServ, 802.1p/DSCP prioritization, 802.1p/DSCP marking/remarking, traffic shaping and policing	IGMPv2 snooping, DiffServ, 802.1p/DSCP prioritization, 802.1p/DSCP marking/remarking, traffic shaping and policing
Management interface	WebUI, Console/CLI	WebUI, Console/CLI
Management protocol(s)	HTTP, HTTPS, SNMP, Telnet/SSL/SSHv2	HTTP, HTTPS, SNMP, Telnet/SSL/SSHv2
Other management functions	SNTP, SYSLOG, Port mirroring, Configuration back up and restore, Firmware upgrade, Back up and restore	SNTP, SYSLOG, Port mirroring, Configuration back up and restore, Firmware upgrade, Back up and restore
SKU / Part Number	901-4124-XX00	901-4224-XX00

# Smart Wi-Fi Product Guide

MEDIAFLEX: Carrier CPE and Hot Spots

MODEL						
	2825	2111	7811	7111	2200	7211
Device	Router	Adapter/Receiver	Access Point	Adapter/Receiver	Router/Bridge/Repeater	Router/Bridge
Technology	802.11b/g	802.11b/g	802.11a/n	802.11a/n	802.11b/g	802.11b/g/n
Spectrum	2.4GHz	2.4GHz	5GHz	5GHz	2.4GHz	2.4GHz
Ports	5 x 10/100 Mbps	1 x 10/100 Mbps	1 x 10/100 Mbps	1 x 10/100 Mbps	5 or 1 x 10/100 Mbps	1 x 10/100 Mbps
Theoretical max. speed	54 Mbps	54 Mbps	300 Mbps	300 Mbps	54Mbps	150 Mbps
Tunneling support	-	-	-	-	L2TP	-
Link layer security	WEP, WPA1, WPA2	WEP, WPA1, WPA2	WPA1, WPA2	WPA1, WPA2	WEP, WPA1, WPA2	WPA1, WPA2
Antenna elements/signal paths	6/64	6/64	6/64	6/64	6/64	3/8
Video support	2-3 simultaneous MPEG-2 or 4-6 MPEG-4 standard definition streams or single 10 Mbps HD stream	2-3 simultaneous MPEG-2 or 4-6 MPEG-4 standard definition streams or single 10 Mbps HD stream	4-6 MPEG-4 HD IPTV streams (10 Mbps data rate) or 6-10 MPEG-2 standard definition IPTV streams (5 Mbps data rate)	4-6 MPEG-4 HD IPTV streams (10 Mbps data rate) or 6-10 MPEG-2 standard definition IPTV streams (5 Mbps data rate)	N/A	N/A
Management	FlexMaster, standalone (WebGUI)	Standalone (WebGUI)	FlexMaster, standalone (WebGUI)	Standalone (WebGUI)	Standalone (WebGUI)	Standalone (WebGUI)
Management protocol(s)	SNMP, HTTPS/XML, HTTPS	SNMP, HTTPS	HTTPS/XML, HTTPS	HTTPS	SNMP, HTTPS	HTTPS/XML, HTTPS
SSIDs/WLANs	2	1	1	1	1+1	2
SKU/Part Number	901-2825-XX01	901-2111-XX00	901-7811-XX01	901-7111-XX00	901-2211-XX00 901-2211-XX25 901-2225-XX01	901-7211-XX00 901-7211-XX10 901-7211-XX25

## ABOUT RUCKUS WIRELESS

- Based in Sunnyvale, California
- Formed in 2004
- Funded by Focus Ventures, Motorola, Sequoia Capital, T-Online, Telus
- 250 employees
- Over 1.3 million Ruckus “Smart Wi-Fi” systems shipped worldwide
- Over 40 patents in the area of adaptive RF signal path selection, beam steering, beam forming, and quality of service

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