

## ENTERPRISE WLAN AND HOT ZONES

### INDOOR ACCESS POINTS



7321

7321-U

7341/7343

7363

7352

7372

7982

Technology	802.11a/b/g/n	802.11a/b/g/n	802.11b/g/n	802.11a/b/g/n	802.11b/g/n	802.11a/b/g/n	802.11a/b/g/n
Spectrum	2.4 GHz/5 GHz	2.4 GHz/5 GHz	2.4 GHz	2.4 GHz/5 GHz	2.4 GHz	2.4 GHz/5 GHz	2.4 GHz/5 GHz
Ports	1x10/100/1000 Mbps	1x10/100/1000 Mbps	1x10/100/1000 Mbps 2x10/100 Mbps* (*7343 only)	1x10/100/1000 Mbps, 2x10/100 Mbps	1x10/100/1000 Mbps 1x10/100 Mbps	1x10/100/1000 Mbps 1x10/100 Mbps	2x10/100/1000 Mbps
Theoretical max. speed	600 Mbps	600 Mbps	300 Mbps	600 Mbps	300 Mbps	600 Mbps	900 Mbps
802.3 af (PoE) in support	√	√	√	√	√	√	√
MAX EIRP	2.4 GHz: 31 dBm 5 GHz: 29 dBm	2.4 GHz: 31 dBm 5 GHz: 29 dBm	29 dBm	2.4 GHz: 29 dBm 5 GHz: 27 dBm	32 dBm	2.4 GHz: 32 dBm 5 GHz: 30 dBm	2.4 GHz: 34dBm 5 GHz: 32 dBm
Link layer security	WEP, WPA-PSK, WPA-TKIP, WPA2-AES, 802.11i	WEP, WPA-PSK, 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	WEP, WPA-TKIP, WPA2-AES, 802.11i
Antenna elements/signal paths	— —	— —	8/256	14/320	7/128	14/256	21/3000
Antenna gain/ interference mitigation	2 dBi/ —	2 dBi/ —	6 dBi/10 dB	6 dBi/10 dB	6 dBi/10 dB	6 dBi/10 dB	8 dBi/15 dB
BeamFlex gain Tx/Rx (dB)	— —/— —	— —/— —	4 dB/— —	4 dB/— —	4 dB/4 dB	4 dB/4 dB	6 dB/4 dB
Max Rx sensitivity (dBm)	-101 dBm	-101 dBm	-98 dBm	-97 dBm	-101 dBm	-101 dBm	-101 dBm
Simultaneous users	256	256	256	256	500	500	500
Management protocol(s)	SNMP v3, HTTPs/XML	SNMP v3, HTTPs/XML	SNMP v3, HTTPs/XML	SNMP v3, HTTPs/XML	SNMP v3, HTTPs/XML	SNMP v3, HTTPs/XML	SNMP v3, HTTPs/XML
SSIDs/WLANs	16	16	16	16	64	64	64
SKU / Part Number	901-7321-XX00	901-7321-XX00	901-7341-XX00/ 901-7343-XX00	901-7363-XX00	901-7352-XX00	901-7372-XX00	901-7982-XX00

## ZONEFLEX: ENTERPRISE WLAN AND HOT ZONES

### WIRED/WIRELESS WALL SWITCHES



7025



7055

#### WIRELESS

Technology	802.11b/g/n	802.11a/b/g/n
Spectrum	2.4GHz	2.4GHz/5GHz
Theoretical max. speed	150 Mbps	300 Mbps
RF power output	16dBm	19dBm (2.4 GHz) / 16dBm (5.0 GHz)
SSIDs	8	8

#### WIRED

Uplink port	10/100 Mbps, auto-MDX, auto-sensing, RJ-45 or 110 punch down	10/100/1000 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	4 x 10/100 Mbps, auto-MDX, auto-sensing, RJ-45
PoE in	Via the uplink port, 802.3af/802.3at	Via the uplink port, 802.3af/802.3at
PoE out	LAN4 of the access port, 802.3af, Class 0/2 depends on PoE in	LAN4 of the access port, 802.3af, Class 0/2 depends on PoE in
VLAN support	802.1Q	802.1Q
Telephony	Digital PBX passthrough, RJ-45	Digital PBX passthrough, RJ-45
Deployment	Wall Plate	Wall Plate
Management	FlexMaster, ZoneDirector, standalone	FlexMaster, ZoneDirector, standalone
Management protocol(s)	SNMP v3, HTTPs/XML	SNMP v3, HTTPs/XML
SKU / Part Number	901-7025-XX02	901-7055-XX00

## ZONEFLEX: ENTERPRISE WLAN AND HOT ZONES

### OUTDOOR ACCESS POINTS AND BRIDGES



2741



7761-CM



7762



7762-S/  
7762-T/7762-AC



7782



7782-E/  
7782-N/7782-S



7731 Wireless  
Bridge

	2741	7761-CM	7762	7762-S/ 7762-T/7762-AC	7782	7782-E/ 7782-N/7782-S	7731 Wireless Bridge
Technology	802.11b/g	802.11a/b/g/n	802.11a/b/g/n	802.11a/b/g/n	802.11a/b/g/n	802.11a/b/g/n	802.11n
Spectrum	2.4 GHz	2.4 GHz/5 GHz	2.4 GHz/5 GHz	2.4 GHz/5 GHz	2.4 GHz/5 GHz	2.4 GHz/5 GHz	5 GHz
Ports	1x10/100 Mbps	1x10/100 Mbps DOCSIS 3.0 8x4	1x10/100/1000 Mbps 1 x 10/100 PoE output	1x10/100/1000 Mbps 1 x 10/100 PoE output	1x10/100/1000 Mbps 1 x 10/100/1000 PoE output	1x10/100/1000 Mbps 1 x 10/100/1000 PoE output	1x10/100/1000 Mbps
Theoretical max. speed	54 Mbps	600 Mbps	600 Mbps	600 Mbps	900 Mbps	900 Mbps	300 Mbps
802.3 af (PoE) in support	√	N/A	√*	√*	√*	√*	√
802.3 af (PoE) out support	---	√	√	√	√	√	---
MAX EIRP	26 dBm	2.4 GHz: 33 dBm 5 GHz: 31 dBm	2.4 GHz: 31 dBm 5 GHz: 31 dBm	2.4 GHz: 35 dBm 5 GHz: 31 dBm	2.4 GHz: 34 dBm 5 GHz: 32 dBm	2.4 GHz: 38 dBm 5 GHz: 42 dBm	5 GHz: 38 dBm
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	WEP, WPA-TKIP, WPA2-AES, 802.11i	WEP, WPA-TKIP, WPA2-AES, 802.11i
Antenna elements/ signal paths	12/4096	12/4096	12/4224	12/24 (7762-S) 12/4000+ (7762-T)	24/>2000	30 degree beamwidth (2/1) 120 degree beamwidth (6/>8)	120 degree 3dB beamwidth
Antenna gain/ interference mitigation	3 dBi/10 dB	10 dBi/15 dB	12 dBi/15 dB (7762/7762-S) 10 dBi/15 dB (7762-AC) 12 dBi/15 dB (7762-S-AC)	12 dBi/15 dB (7762-S) 10 dBi/15 dB (7762-T)	12 dBi/15 dB (2.5 GHz) 4 dBi/15 dB (5 GHz)	12/11 dBi/15 dB (2.5 GHz) -N/-S 4/13 dBi/15 dB (5 GHz) -N/-S	4 dBi/---
BeamFlex gain Tx/Rx (dB)	4 dB/---	6 dB/4 dB	6 dB/4 dB	6 dB/4 dB (not S or T)	6 dB / 4 dB	6 dB / 4 dB	---/---
Max Rx sensitivity (dBm)	-98 dBm	-94 dBm	-95 dBm	-95 dBm	-101 dBm	-101 dBm	-96 dBm
Simultaneous users	100+	256	256	256	500	500	N/A
SSIDs/WLANs	8	16	16	16	64	64	N/A
SKU / Part Number	901-2741-XX01	901-7761-XXCM	901-7762-XX01	901-7762-XX51 (7762-S) 901-7761-XX91 (7762-T)	901-7782-XX61	901-7782-XX61	901-7731-XX02

\*supports 802.3af and 802.3at PoE in

## ZONEDIRECTOR: ENTERPRISE WLAN AND HOT ZONES

### CONTROLLERS



1100



3000



5000

Number of APs supported	6,12,25,50	Up to 500	Up to 1,000
Clients	Up to 1,250	Up to 10,000	Up to 20,000
Physical size	25 cm (L), 15.93 cm (W), 3.86 cm (H)	35.52 cm (L), 43.18 cm (W), 4.39 cm (H) 1U rack	50.8 cm (L), 43.53 cm (W), 8.76 cm (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	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	802.1X, Local database, External AAA servers, ActiveDirectory, RADIUS, LDAP
Guest networking/captive portal	√	√	√
DHCP server	√	√	√
AP discovery and control	L2/L3	L2/L3	L2/L3
SSID/WLAN support	128	1024	2048
Remote management	Web GUI, FlexMaster	Web GUI, FlexMaster	Web GUI, CLI, FlexMaster
Management protocol(s)	SNMP v3	SNMP v3	SNMP v3
VLAN support	802.1Q (per BSSID), Dynamic VLANs	802.1Q (per BSSID), Dynamic VLANs	802.1Q (per BSSID), Dynamic VLANs
Deployment	Out of datapath	Out of datapath	Out of datapath
Power supply	110-240 VAC   12 VDC, 1A	Internal power supply, 100-250 VAC	DC or AC, redundant, hot swappable
Fans	—	Internal	Redundant, hot swappable
SKU / Part Number	901-11YY-XX00	Hardware: 901-30YY-XX00   AP Lic: 909-0YYY-ZD00	DC: 901-5100-XX00   AC: 901-5100-XX10   AP Lic: 909-0YYY-ZD50

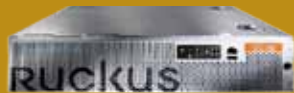
## FLEXMASTER AND SMART/OS: WI-FI MANAGEMENT



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

## SMARTCELL: CARRIER WIRELESS EDGE SERVICES



SMARTCELL GATEWAY 200 (SCG-200)

Number of APs supported	Up to 10,000
Clients	Up to 100,000
Physical size	50.8 cm (L), 45.53 cm (W), 8.76 cm (H) 40 Lbs. (18.14 kilograms) 2RU rack mountable
Connections	Control: Six 10/100/1000 Mbps RJ-45 ports Data: two 10 GigE data ports Serial ports, RJ-45 (one front, one back)
Authentication support	See Data Sheet
Data Offload	Clientless 802.1X solution; Ruckus TTG-PDG gateway based tunneling offload; Wi-Fi edge network data offload (local breakout)
WLANs	6,144
AAA Service	Incorporates on-board EAP-server enabling SIGTRAN based authentication with external HLR/HSS; RADIUS AAA proxy
Element Management	See Data Sheet
WISPr Support	WISPr 1.0 authentication
Redundancy	Distributed data preserving with 3:1 redundancy; expansion up to 4 in 4/4 active mode
Power supply	DC or AC, dual redundant, hot swappable
Fans	Six redundant, field hot swappable
SKU / Part Number	901-S20J-XX10/00

## SMARTCELL: CARRIER WIRELESS EDGE SERVICES



SMARTCELL 8800

Technology	802.11a/b/g/n
Spectrum	2.4 GHz/5 GHz
Ports	1x10/100/1000 Mbps
Theoretical max. speed	900 Mbps
802.3 af (PoE) in support	√
MAX EIRP	2.4 GHz: 41 dBm / 5 GHz: 43 dBm
Link layer security	WEP, WPA-PSK, WPA-TKIP, WPA2-AES, 802.11i
Antenna elements/signal paths	24/>8
Antenna gain/interference mitigation	41 dBi/15 dB (2.4 GHz) 43 dBi/15 dB (5.0 GHz)
BeamFlex gain Tx/Rx (dB)	6 dB/4 dB
Max Rx sensitivity (dBm)	2.4 GHz: -101 dBm / 5 GHz: -97 dBm
Simultaneous users	500
Management protocol(s)	SNMP v3, HTTPs/XML, CLI, TR-069 (via FlexMaster)
SSIDs/WLANs	64
SKU / Part Number	901-8800-XX01