ACCESS NETWORKS PRODUCT GUIDE – Wi-Fi 7 Access Points

ACCESS NETWORKS

	A770	A670
Feature/Description	High-end 802.11be tri-concurrent AP with MU-MIMO, BeamFlex+ 10Gbps backhaul	Midrange 802.11be 2x2:2 tri-concurrent AP with MU-MIMO, BeamFlex+ and 5Gbps backhaul
Environment	Indoor	Indoor
Maximum PHY rate	5765 Mbps (6GHz) 5765 Mbps (5GHz) 689 Mbps (2.4GHz)	5765 Mbps (6GHz) 5765 Mbps (5GHz, 4x4:4) 689 Mbps (2.4GHz)
Wi-Fi technology	802.11be (2.4GHz, 5GHz, 6GHz) Wi-Fi 7	802.11be (2.4GHz, 5GHz, 6GHz) Wi-Fi 7
Concurrent users	1024	768
Radio chains:streams	6GHz: 2x2:2 5GHz: 4x4 2.4GHz: 2x2:2	6GHz: 2x2:2 5GHz: 2x2:2 or 4x4:4 (dual band mode) 2.4GHz: 2x2:2
Antenna patterns (per band)	4,000+	4,000+
Antenna gain	Up to 4dbi	Up to 4dBi
PD-MRC	✓	✓
Rx sensitivity (2.4/5GHzヾ(：ﾟ_)	-97/-100/-96dBm	-97/-100/-96dBm
ChannelFly	✓	✓
SmartMesh	✓	✓
USB (IoT Ready)	✓	✓
Ethernet ports	1x 1/2.5/10 Gbps (PoE) 1x 10/100/1000 Mbps	1x 1/2.5/5 Gbps (PoE) 1x 10/100/1000 Mbps
Integrated BLE/ZigBee	✓	✓
Management	• Unleashed • ARCC	• Unleashed • ARCC
Power Requirements 802.3at	• Power Consumption: 25.5W	• Power Consumption: 25.5W
802.3bt5 PoH, uPoE	• Power Consumption: 32W (Average/RMS) • Power Consumption: 40 (Peak/ LLDP)	• Power Consumption: 35W
DC Power	• Power Consumption: 32W (Average/RMS)	• Power Consumption: 35W

ACCESS NETWORKS PRODUCT GUIDE – Wi-Fi 6 Access Points

ACCESS NETWORKS

	A750	A650	A550	A350	B350
Feature/Description	High-end 802.11ax 4x4 dual-concurrent AP with MU-MIMO, BeamFlex+ and 2.5Gbps backhaul	Mid-range Wi-Fi 6 (802.11ax) dual-concurrent AP with MU-MIMO and BeamFlex+	Mid-range Wi-Fi 6 (802.11ax) dual-concurrent AP with MU-MIMO and BeamFlex+	Entry level Wi-Fi 6 (802.11ax) dual-concurrent AP with BeamFlex+	High-density outdoor AP series Wi-Fi 6 with integrated BeamFlex + adaptive internal antennas with polarization diversity
Environment	Indoor	Indoor	Indoor	Indoor	Outdoor
Maximum PHY rate	2400 Mbps (5GHz) 1148 Mbps (2.4GHz)	2400 Mbps (5GHz) 574 (2.4GHz)	1200 Mbps (5GHz) 574 Mbps (2.4GHz)	1200 Mbps (5GHz) 574 Mbps (2.4GHz)	1200 Mbps (5GHz) 574 Mbps (2.4GHz)
Wi-Fi technology	802.11ax (2.4GHz, 5GHz) Wi-Fi CERTIFIED 6™	802.11ax (2.4GHz, 5GHz) Wi-Fi CERTIFIED 6™	802.11ax (2.4GHz, 5GHz) Wi-Fi CERTIFIED 6™	802.11ax (2.4GHz, 5GHz) Wi-Fi CERTIFIED 6™	2x2:2 (5GHz) + 2x2:2 (2.4GHz) Wi-Fi 6
Concurrent users	1024	512	512	256	512
Radio chains:streams	4x4:4	5GHz: 4x4:4 2.4GHz: 2x2:2	2x2:2	2x2:2	2x2:2
Antenna patterns (per band)	4,000+	128	64	64	64
Antenna gain	Up to 3dbi	Up to 3dBi	Up to 3dBi	Up to 3dBi	Up to 3dBi
PD-MRC	✓	✓	✓	✓	✓
Rx sensitivity (2.4/5GHz)	-102dBm	-101dBm	-103dBm	-101dBm	-101dBm
ChannelFly	✓	✓	✓	✓	✓
SmartMesh	✓	✓	✓	✓	✓
USB (IoT Ready)	✓	✓	✓	✓	n/a
Ethernet ports	1x1GbE 1x2.5GbE	1 x 1 GbE 1 x 2.5 GbE	2 x 1GbE	1 x 1GbE	1 x 1GbE
Integrated BLE/ZigBee	✓	✓	✓	–	–
Management	• Unleashed • ARCC	• Unleashed • ARCC	• Unleashed • ARCC	• Unleashed • ARCC	• Unleashed • ARCC
Power Requirements 802.3at PoE+	• Full Functionality • Max Power Consumption: 22.34W	• Full Functionality • Max Power Consumption: 21.59W	• Full Functionality • Max Power Consumption: 18.71W	–	• Full Functionality • Max Power Consumption:13.24W
802.3af PoE	• Reduced Functionality (See Data Sheet for Details) • Max Power Consumption: 12.54W	• Reduced Functionality (See Data Sheet for Details) • Max Power Consumption: 12.25W	• Reduced Functionality (See Data Sheet for Details) • Max Power Consumption: 12.71W	• Full Functionality • Max Power Consumption: 12.62W	• Reduced Functionality (See Data Sheet for Details) • Max Power Consumption:11.42W
DC Power	• Full Functionality • Max Power Consumption:22.69W	• Full Functionality • Max Power Consumption:21.46W	• Full Functionality • Max Power Consumption:16.58W	• Full Functionality • Max Power Consumption:11.4W	–