WIDIRECT

Authentication Servers

	WiDirect Micro ACW-10	WiDirect ACW-50	WiDirect Pro ACW-150	WiDirect Enterprise ACW-500	WiDirect Carrier ACW-1000
# of AP's supported	20	50	150	500	1,000
# of WiClients supported	5[‡]	10	20	100	200
Base # Subscriber Licenses	3,500*	5,000*	10,000*	50,000*	100,000*
Average # of Concurrent Users	300	500-1,000	1,500-2,000	2,500-3,000	5,000-10,000**
Size	Micro Form Factor 3 LAN Chassis	1U Short Rack 2 LAN Chassis	1U Short Rack 4 LAN Chassis	1U Short Rack 4 LAN Chassis	1U Chassis
Network Ports	3 x 1000BaseT	2 x 1000BaseT	4 x 1000BaseT	4 x 1000BaseT	4 x 1000BaseT Up to 6 x 1000BaseT
Onboard Memory	2 GB	4 GB	8 GB	16 GB	32 GB
Throughput	500 Mbps	Up to 900 Mbps			
Storage	64 GB	128GB SSD	256GB SSD	2 x 256 GB	4 x 1TB
Power	6 -12 Watts @ 12 VDC	200 Watt PSU	200 Watt PSU		2 x 500 Watt PSU
Hardware Redundancy	No			Yes RAID 1	Yes RAID 10
Hardware Warranty	2 Years				

*Additional Subscriber Licenses available   **Enabling the features Interstitial Advertising and Content Filtering can reduce concurrent user count by 50% or more. ‡Supports 4 WiClients if directly managing AP's

WiClients

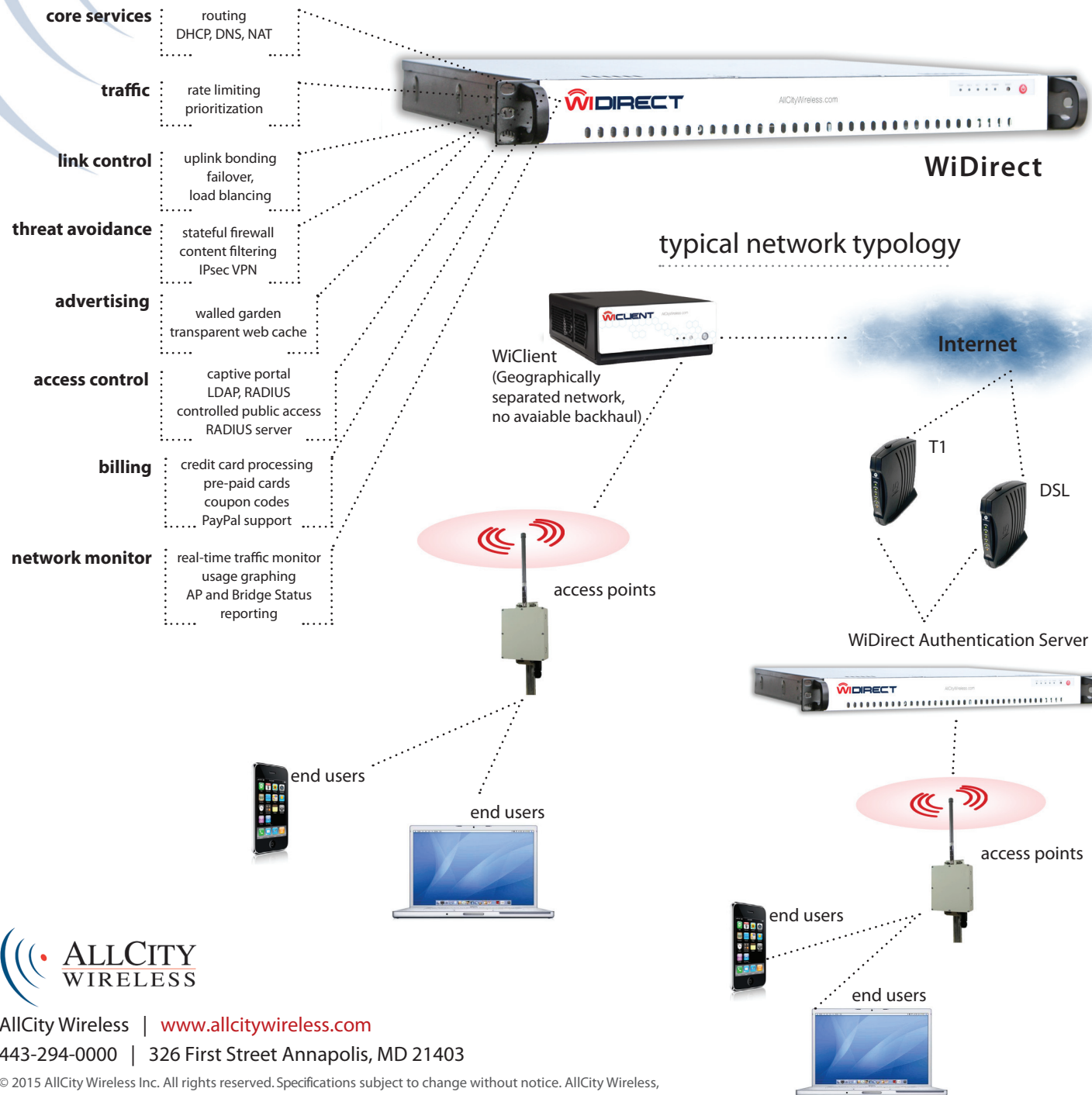|	WiClient Micro ACW-MCO-CLI	WiClient ACW-CLI	WiClient Pro ACW-CLI4	WiClient Enterprise ACW-CLI-ENT	WiClient Carrier ACW-CLI-CRR
# of AP's supported	20	50	100	250	1000
Average # of Concurrent Users	250	500-1,000	1,500-2,000	2,500-3,000	5000
Size	Micro Form Factor 3 LAN Chassis	Mini Form Factor 2 LAN Chassis	Mini Form Factor 2 LAN Chassis	1U Short Rack 4 LAN Chassis	1U Chassis
Network Ports	3 x 1000BaseT	2 x 1000BaseT	4 x 1000BaseT	4 x 1000BaseT	4 x 1000BaseT Up to 6 x 1000BaseT
Onboard Memory	2 GB	2 GB	4 GB	8 GB	16 GB
Throughput	500 Mbps	600 Mbps	700 Mbps	Up to 900 Mbps	Up to 900 Mbps
Storage	32 GB	80GB SSD		2 x 250 GB	4 x 250 GB
Power	6 -12 Watts @ 12 VDC	180 Watt PSU	180 Watt PSU	200 Watt PSU	2 x 500 Watt PSU
Hardware Redundancy	No			Yes RAID 1	Yes RAID 10
Hardware Warranty	2 Years				

Features

The WiDirect appliance delivers a robust set of functionality designed to support wireless internet access deployments for any vendor.

– captive portal
– access control
– bandwidth manager
– transparent web cache
– intrusion protection system
– walled garden
– ipv6 support
– IPsec passthrough
– core network services
– content filtering
– routing
– stateful firewall
– NAT
– unified management and network administration

Typical WiDirect deployment scenarios:

–ability to show Pre or Post Login Content is important
–login and registration pages completely brandable
– flexibility in payment and access plans
– bandwidth must be managed and allocated, and usage is expected to grow
– solution must scale to meet growth/demand

– bandwidth needs to be assigned and controlled to user or Group
– access and authentication needs to be controlled
– I.T. support is limited , user interface needs to be simple
– usage and access information needs to be recorded

core services — routing, DHCP, DNS, NAT

traffic — rate limiting, prioritization

WiDirect

link control — uplink bonding, failover, load blancing

threat avoidance — stateful firewall, content filtering, IPsec VPN

typical network typology

advertising — walled garden, transparent web cache

WiClient
(Geographically separated network, no avaiable backhaul)

Internet

access control — captive portal, LDAP, RADIUS, controlled public access, RADIUS server

T1

DSL

billing — credit card processing, pre-paid cards, coupon codes, PayPal support

network monitor — real-time traffic monitor, usage graphing, AP and Bridge Status, reporting

access points

WiDirect Authentication Server

end users

end users

access points

end users

end users

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