



UltraSky 2T2R 300Mbps Atheros 2.4GHz 800mW High Power Wireless Indoor AP

Specifications				
Hardware Specifications				
Features	Instructions			
CPU	AR9341			
Ethernet	IEEE802.3u MDI / MDIX 10/100			
Wireless	IEEE802.11b/g/n 300Mbps			
Memory	32M RAM 8M FLASH			
Power	DC12V			
CPU frequency	400MHz			
Antenna Gain	5dBi			
Antenna type	Omni rubber non-detachable antenna x 2			
Ethernet port	1 x WAN port, 4 x LAN ports			
Ethernet interface	10/100Mbps			
Reset Button	Support			
System Upgrade	Through the web site upgrade;			
Throughput	90Mbps Net Throughput			
Interface	Power/WAN/LAN/WLAN/RSSIx4			
Power	DC12V			
Data rate	11n:7.2M,14.4M,21.7M,28.9M,43.3M,57.8M,65M,72.2M,14.4M,28.9M,43.3M,57.8M,86.7M,115.6M,130M,144.4M HT20:7.2M,14.4M,21.7M,28.9M,43.3M,57.8M,65M,72.2M,14.4M,28.9M,43.3M,57.8M,86.7M,115.6M,130M,144.4M HT40:15M,30M,45M,60M,90M,120M,135M,150M,30M,60M,90M,120M,180M,240M, 270M, 300M			
Transmission mode	DSSS			
Modulation	OFDM/BPSK/QPSK/CCK/DQPSK/DBPSK			
Frequency Range	2412 MHz ~ 2472 MHz (channel 1~ channel13)			
Power consumption	≤ 9W			
RF Power @25℃ (±2dB)	802.11b	6-11Mbps		29 ± 2dBm
	802.11g	36-48Mbps		28 ± 2dBm
		54Mbps		27.5± 2dBm
	802.11n	HT20	MCS 0-3	28.5 ± 2dBm
			MCS 4	28 ± 2dBm
			MCS 5	27.5 ± 2dBm
			MCS 6	27 ± 2dBm
			MCS 7	27 ± 2dBm
		HT40	MCS 0-3	28.5 ± 2dBm
			MCS 4	28± 2dBm
			MCS 5	27.5± 2dBm
			MCS 6	27 ± 2dBm
			MCS 7	27 ± 2dBm
		IEEE 802.11b/g		IEEE 802.11n

Receiver Sensitivity		6Mbps ≤ -89dBm 54Mbps ≤ -73dBm	HT 20 MCS 0 ≤ -86dBm MCS 7 ≤ -68dBm HT 40 MCS 0 ≤ -83dBm MCS 7 ≤ -65dBm
Software specifications			
Features		Instructions/default values	
Standard		IEEE 802.3 and 802.3u 10Base-T 与 100Base-TX IEEE 802.11b/g/n	
Antenna		2 x 5dBi	
Language		Chinese/English	
Status		Router Repeater Access point	
System	Basic Setup	Operation mode	Bridge, WISP
		Device name	UltraSky M18H
		802.1d spanning tree protocol	Usable
		STP Forward Delay	Usable
System Status	System Status	Gateway, WISP	DHCP, PPPOE, Static
	Repeater (Bridge)	AP Client, WDS Repeater	Scan AP, LAN Settings
		IP Address	
		Default Gateway	
		Internet connect time	
	LAN Status	IP Address	192.168.2.1
		DHCP Server	Enabled
Wireless	WLAN Status	Mode	Station (Scanning)
		SSID	AP'SSID
		Encryption	Open
	Basic Settings	Radio Status	Disabled; Enabled
		Mode	Station, WDS Station, AP+WDS
		SSID	AirLinkWiFi(default)
		Encryptions	open , WEP, WPA-PSK, WPA2-PSK
		Internet Access Setup	Bridge, DHCP, Static IP, PPPOE
	Advanced Settings	Country Region	China/Taiwan
		Band	Auto, b, g n 20MHz, n 40MHz-, n 40MHz+
		Fragment Threshold	256 – 2346 (default 2346)
		RTS Threshold	0 – 2347 (default 2346)
		ACK Timeout Control	0 – 255us(default 64)
		Aggregation	Enabled
		Short GI	Enabled
		RF Output Power	100%, 50, 25%, 12.5%, 6%

TCP/IP	LAN Status	IP Address		192.168.2.1	
		Subnet Mask		255.255.255.0	
		Default Gateway		N/A	
		DHCP Server		Enabled	
		DHCP Range		192.168.2.2~192.168.2.253	
		MACAddress		00:23:d3:xx:xx:xx	
		DHCP Client List		IP Address MAC Address, Time Expired(sec)	
	LAN Setting	IP Address		192.168.2.1	
		Subnet Mask		255.255.255.0	
		Default Gateway		0.0.0.0	
		DHCP Server		Enabled, Disabled	
		DHCP Client Range		192.168.2.2~192.168.2.253	
		Lease Time(sec)		86400	
Firewall	IP/Port Filtering	IP/Port Filtering		Disabled, Blacklist, Whitelist	
		IP Address Range			
		Port Range			
		Protocol		TCP/UDP/TCP+UDP	
		Time Control			
		Comment			
	MAC Filtering	MAC Filtering		Disabled, Blacklist, Whitelist	
		MAC Address			
		Time Control			
		Comment			
	Port Forwarding	Port Forwarding		Disabled, Enabled	
		IP Address			
		Protocol		TCP/UDP/TCP+UDP	
		Local Port Range			
		Wan Port Range			
		Comment			
	DMZ	DMZ		Disabled	
				Enable DMZ	DMZ Host IP Address
	QoS	QoS	QoS	Disabled, Enabled	
			Bandwidth	UP Link, Down Link	
		QoS Settings	Rule IP Address Range		
			MAC Address		
			Mode		
			Bandwidth		
			Comment		
	DDNS	Service Provider			
		Domain Name			
		User Name/Email			
		Password/Key			
Management	LOG	System Log			

		Remote Log Server
	Upgrade Firmware	Firmware Version
		Build Time
		Select File
	Save/Reload Settings	Save Settings
		Upload Settings
		Reset Settings
		System Reboot
	Password	New Password
		Confirmed Password
	Logout	
Mechanical Specifications		
Features		Instructions
Dimnsion	187 (Long) × 184(Wide) ×35(High)mm	
Weight	≤ 500g	
Environmental specifications		
Features		Instructions
Working Temperature	0~ 50°C	
Working Humidity	10%~95% RH	
Storage Temperature	-10~ 70°C	
Storage Humidity	10%~95% RH	
Lightning Protection	Common mode:1.5KV, differential mode:1KV	

