

SOFTEL			
		CPE-1841_MIFI_SPEC Supports WMM-PS QoS, Wi-Fi Direct, Miracast R2, Passpoint 2.0, Wi-Fi Aware, etc. Supports WEP,WPANPA2/PA3-Personal/WPA3-Enhanced Open, WPS 2.0, WAPI, WPI-SMS4,EAP-TLS/EAP-TTLS/EAP-PEAP/EAP-SIM/EAP-AKA/EAP-AKA', IEEE 802.11wProtected Management Frame Complies with IEEE 802.11 d/e/h/i/k/r/u/v/z Supports both single and multiple channel concurrency Supports background scan, ARP, TCP/UDP checksum offload, IPv6 NS/RA off loading Supports spur immunity to avoid performance degradation caused by spur generated by PCB	
Types	Projects	Descriptions	Remark
Platforms	CPU	UDX710	dual core A55 1.35G
	OS	Linux	
Storage	RAM	4Gb	SIP LPDDR4X
	ROM	2Gb	external NAND
RF	3GPP	R8,R9...,R15	
	Rate	HSDPA: Max.42.2Mbps (DL) (Category 24)	theoretical value
		HSUPA: Max.11Mbps (UL) (Category 7)	
		WCDMA: Max.384Kbps (DL) /384Kbps (UL)	
		LTE FDD: Max.300Mbps (DL) /50Mbps	
		LTE TDD: Max.260Mbps (DL) /30Mbps	
		5G NR TDD: Max.2Gbps (DL) /500Mbps (UL)	
	LTE ANT	1T2R	
	5G ANT	1T4R	
	WCDMA/HSPA	B1	
	TDD-LTE	B34/38/39/40/41	
	FDD-LTE	B1/B3/B5/B8	
	CA	B1+B3 B1+B1 B3+B3 B39+B41 B39+B39 B40+B40 B41+B41	
	5G NR	FDD:N1/N3/N28 TDD:N41/N78	N1/N3/N28 1T2R N41/N78 1T4R
	NR ENDC	B3+N41,B39+N41 ; B1+N78,B3+N78,B5+N78,B8+N78	
	Output power	Class 3 (24 dBm +1/-3 dB) , WCDMA band Class 3 (23 dBm ±2 dB), LTE band Class 3 (23 dBm ±2 dB), 5G NR band	
SW	Protocol	TCP/UDP/HTTP/PING/MQTT	
	IP4/IP6	support	
	WEBGUI	support	
	Security	WPA/WPA2-Personal	
	RNDIS	support	
	FOTA	support	
WIFI 6	Chip	AIC8800DW+AIC8800D80P (2.4G/5G并发)	
	WIFI protocol	802.11 a/b/g/n/ac/ax	
	WiFi ANT	1×1	
	Power	16dBm(Max) in 11b mode 14dBm(Max) in 11g mode 14dBm(Max) in 11n mode 13dBm(Max) in 11ac mode 13dBm(Max) in 11ax mode	
	Sensitivity	MCS11:-58 MCS9: -63dBm@10% PER MCS7: -68dBm@10% PER 54M: -70dBm@10% PER 11M: -83dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER	
	Rate	11ax:600/540/480...36Mbps (Auto Rate Sensing) 11ac:433/390/325...32.5Mbps (Auto Rate Sensing) 11n:150 Mbps /.../7.2Mbps (Auto Rate Sensing) 11g:54/48/36/24/18/12/9/6 Mbps (Auto Rate Sensing) 11b:11/5.5/2/1 Mbps (Auto Rate Sensing)	theoretical value
HW	KEYS	POWER、WPS、RESET	
	IO	USB2.0, TYPE C	
	SIM	NANO SIM, ESIM	
	Battery	6000mAH	
	Charge	5V/2A	
	LCD	2.01 inch	
Environments	ESD	contact ±6k , air ±10K	
	EOS	VBAT 200V ,VBUS 200V	
	operation temp	-20~ +50℃	
	storage temp	-30~ +70℃	
Accreditation	CCC	YES	
	ROHS	YES	
	CTA	YES	
	SRRC	YES	
Wrap	Battery	Yes,6000mAH internal	
	USB cable	Yes	
	Charger	Yes, 5V2A	
	Earphone	No	
	OTG cable	No	
	T-Flash Card	No	
	Warranty	Yes	
	User manual	Yes	
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