


SHFiEL40 Datasheet												
Item	Sub Item		SPEC								Note	
ID name	ID Drawing			LCD/LED	Battery	Size		Weight	Painting&silk print			
SHFiEL40				LCD	3050mAh	77×77×20mm		135g	Standard			
Band(Default)						Band(Compatible)						
Product	PCBA Name	TDD-LTE	FDD-LTE	TD-SCDMA	UMTS	EDGE/GPRS	TDD-LTE	FDD-LTE	TD-SCDMA	UMTS	EDGE/GPRS	
eSIM MIFI		B38/B39/B40/B41	B1/B2/B3/B4/B5/B7/B8/ B12/B17/B18/B19/B20/B 25/B26/B28a	B34/B39	B1/B2/B4/B5 /B8		/	/	/	/	/	Frequency can be customized
<b>WAN</b>												
<b>RF Capability</b>	LTE Chipset		MDM9x07									
	LTE Channel Bandwidth		1.4/3/5/10/15/20 MHz									
	Modulation		Downlink QPSK/16-QAM/64-QAM Uplink QPSK/16-QAM									
	LTE Authentication		EPS-AKA									
	Adaptive Modulation and Coding		Supported									
	MIMO support		MIMO 2x2									
	Idle Mode		Supported									
	Sleep Mode		Supported									
Idle Mode Signaling Reduction (ISR)		Supported										

Certification	3GPP Conformance Compliance	<input type="checkbox"/> 3GPP TS 34.108	<input checked="" type="checkbox"/> 3GPP TS 34.114	<input checked="" type="checkbox"/> 3GPP TS 34.121 (1,2,3)	
		<input checked="" type="checkbox"/> 3GPP TS 34.122	<input checked="" type="checkbox"/> 3GPP TS 34.123 (1,2,3)	<input type="checkbox"/> 3GPP TS 34.171	
		<input type="checkbox"/> 3GPP TS 34.172	<input type="checkbox"/> 3GPP TS 34.229 (1,2,3,4)	<input type="checkbox"/> 3GPP TS 34.902	
		<input type="checkbox"/> 3GPP TS 36.508	<input type="checkbox"/> 3GPP TS 36.509	<input checked="" type="checkbox"/> 3GPP TS 36.521 (1,2,3)	
		<input checked="" type="checkbox"/> 3GPP TS 36.523 (1,2,3)	<input type="checkbox"/> 3GPP TS 36.903	<input type="checkbox"/> 3GPP TS 36.904	
		<input type="checkbox"/> 3GPP TS 36.978	<input type="checkbox"/> 3GPP TS 37.544	<input type="checkbox"/> 3GPP TS 37.571 (1,2,3,4,5)	
		<input checked="" type="checkbox"/> 3GPP TS 37.901			
	UE Certification	Device Operator TA	Without		
		Device Reginal Certificate	Without		
		Device Country 1 Certificate	Without		
Device Country 2 Certificate		Without			
WIFI Certificate		NO			
Battery general certificate		MSDS+UN38.3			
Battery country certificate		Without			
Charger Certificate	Without				
Power Level	TDD-LTE	Power Class 3 (23 +/-3dBm)			
	FDD LTE	Power Class 3 (23 +/-3dBm)			
Sensitivity	TDD LTE	-94 dBm(20MHZ)			
	FDD LTE	-93 dBm(20MHZ)			
Data Rate	TDD-LTE	3GPP R9 ,Category 4, DL 150Mbps UL 50Mbps			
	FDD-LTE	3GPP R9 ,Category 4, DL 150Mbps UL 50Mbps			
<b>LAN</b>					
WIFI info	WLAN Mode	<input checked="" type="checkbox"/> 802.11b	<input checked="" type="checkbox"/> 802.11g	<input checked="" type="checkbox"/> 802.11n	<input checked="" type="checkbox"/> 802.11ac
	Frequency Band	<input checked="" type="checkbox"/> 2.4 GHz <input checked="" type="checkbox"/> 5 GHz			
	WLAN Channel supported	<input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 6 <input checked="" type="checkbox"/> 7 <input checked="" type="checkbox"/> 8 <input checked="" type="checkbox"/> 9 <input checked="" type="checkbox"/> 10 <input checked="" type="checkbox"/> 11 <input checked="" type="checkbox"/> 12 <input checked="" type="checkbox"/> 13 <input type="checkbox"/> 14			
	Antenna Type	<input checked="" type="checkbox"/> Internal <input type="checkbox"/> External			
	Supported Security	<input checked="" type="checkbox"/> None <input checked="" type="checkbox"/> WEP64 <input checked="" type="checkbox"/> WEP128 <input checked="" type="checkbox"/> WPA-PSK <input checked="" type="checkbox"/> WPA2-PSK			
	WIFI MIMO	QCA9377-3 (1x1)(433.3mbps)			
Power Level	WIFI IEEE 802.11b	>13dBm			
	WIFI IEEE 802.11g	>11dBm			
	WIFI IEEE 802.11n	>10dBm			
	WIFI IEEE 802.11ac	>15dBm			
Sensitivity	WIFI IEEE 802.11b(11M)	-76dBm@ 8%BER			
	WIFI IEEE 802.11g(54M)	-65dBm@ 10%BER			
	WIFI IEEE 802.11n(72.2M)	-64dBm@ 10%BER			
Data Rate	WIFI IEEE 802.11b	11/5.5 Mbps			
	WIFI IEEE 802.11g	Max 54 Mbps			
	WIFI IEEE 802.11n	Max 300 Mbps			
	WIFI IEEE 802.11ac	Max 433.3 Mbps			

Bluetooth			
Bluetooth	Bluetooth 5.0	Optional	
<b>System</b>			
<b>2G/3G/4G setup</b>	Network Selection	Manual, Auto	Supported
		Setup by user	Not Supported
	Interoperability	TDD & FDD-LTE	Supported
	SMS	SMS over SGs Func at LTE	Supported
		SMS's receiving and reading	Supported
	APN setup	APN setup and revise	Supported
	PIN Func	PIN:Save, revise, lock,unlock	Supported
	DM	DM(Now support CMCC DM)	Supported
Modem Func	Connect to PC by USB	Supported	
Automatically connect reconstructed	Can automatically reconnect to network after off-network in data using		Supported
<b>WIFI setup</b>	Protocol	Max users 10	Supported
		DHCP client / server, you can set whether to activate the DHCP service assigns IP addresses starting and ending addresses, set the gateway address; Support client list: Displays all the DHCP server to obtain IP address of the host, including MAC address, IP address obtained	Supported
		Support terminal IP address, SSID, communication channel, security type, the administrator account and password factory setting	Supported
		Support SSID and channel settings: Set SSID, communication channel (frequency band WiFi settings, select the range of WiFi support of the band all the available channels), WIFI function on/off, and the SSID broadcast on/off	Supported
		Provides WEP, WPA-PSK, WPA2-PSK, WAPI encryption methods, etc. Support MAC and IP filtering	Supported
<b>Other setup</b>	Driver setup	With the PC operating system automatically recognizes, supports drivers installed automatically	Partly Supported
	Web Server	WEB UI	Supported
	Administrator password	Terminal preset default administrator password, supports password changes	Supported
	SW update	Support local upgrade the firmware of the terminal	Supported
	Time setup	Set user location's time	Supported
	Recovery	Support the terminal restore all settings to the factory default state	Supported
	Reboot	Reboot by SW	Supported
	Operator lock	Software locking(can customization hardware locking)	Supported
	Online help	This menu item provides the user with the help of the course, descriptive information	Supported
	HTTP upgrade	Local HTTP server preferred	Supported
	System Log	Display system during operation log information generated. Easy for users to understand the equipment through query log system events that have	Supported
	Connection-based	Hostless	
Plug & Play	Supported		
<b>Power features</b>	working Voltage	Battery voltage: 3.5-4.35V	
	Voltage fluctuations	3.5-4.35V DC	
	working Current	TBD	

<b>Environmental Characteristics</b>	Operating Temperature	0℃~+40℃	
	Extreme working temperature	-10℃~+50℃	
	Storage Temperature	-20℃~+45℃	
	Relative humidity	5%~95%	
<b>Structure</b>	I/O	USB Type-C	
	LTE SIM	Standard physical SIM card(SoftSim/eSIM optional)	
	T-Flash Card	not support	
<b>Port</b>	LTE SIM	3GPP 31.101 and 31.102 standard	
	Key	Power、 Reset key、 Hard reboot key(power key and reset key at same time kick.)	
<b>Reception</b>		indoor: 15 m; outdoor: 25m	
<b>PC OS</b>	Win7/WinXP	Supported	
	MAC OS	Supported	
	Windows8	Supported	
	Android	Supported	
	LINUX	Supported	
<b>Accessory</b>	Charger	Without	
	Data cable	Without	
	Package box & Label	Without	