



# Frey Master



- Qualcomm® Snapdragon™ 617 A53 Octa core 64-bit Processor
- 4.3" TFT-LCD COLOR
- Capacitive touch panel with keypad
- 8.0M pixels CMOS color camera with autofocus
- Support Qualcomm Quick Charge 2.0 (USB only)

## Frey Master FEATURES & SPECIFICATIONS

Processor	Qualcomm® Snapdragon™ 617 A53 octa core : 1.5GHz quad core and 1.2GHz quad core		
Memory	eMCP, 16GB eMMC Flash ROM plus 2GB LPDDR3 RAM		
Display and Touch Panel	<ul style="list-style-type: none"> <li>• 4.3" Color TFT WVGA</li> <li>• Capacitive type 5 points multi-touch touch panel with Gorilla Glass</li> <li>• Support finger, wet finger, glove and stylus</li> <li>• Sunlight-readable display</li> </ul>		
Expansion Slot	<ul style="list-style-type: none"> <li>• One user accessible micro SD Memory slot with SDXC compliance and software image upgrade features</li> <li>• Micro USB (B type) support USB 2.0 OTG and USB charge</li> <li>• Cradle connector support USB 2.0 and DC power input</li> <li>• One user accessible Micro SIM slot</li> </ul>		
Wireless PAN	<ul style="list-style-type: none"> <li>• Bluetooth 4.1 LE</li> <li>• Support profile: HID, A2DP, OPP, SPP</li> </ul>		
Wireless LAN	<ul style="list-style-type: none"> <li>• 802.11a/b/g/n/ac Wireless LAN, 2.4GHz and 5GHz</li> <li>• Compliant with WEP, WPA and IEEE 802.11i WPA2</li> <li>• Fast roaming under 100ms</li> <li>• Enterprise security</li> </ul>		
Wireless WAN	<u>Europe</u> FDD LTE: B1/B3/B5/B7/B8/B20 TDD LTE: B38/B40/B41 WCDMA: B1/B5/B8 GSM: 900/1800  <u>Japan</u> FDD LTE: B1/B3/B8/B18/B19/B26 TDD LTE: B41 WCDMA: B1/B6//B8/B19		
GPS	GPS, GLONASS		
NFC	<ul style="list-style-type: none"> <li>• ISO14443-4 [Type A, Type B], ISO15693</li> <li>• Mifare, Felica (ISO/IEC18092)</li> </ul>		
Power Adapter	<ul style="list-style-type: none"> <li>• 100~240Vac, 50/60Hz Input</li> <li>• 5V, 2A / 9V, 2A Output</li> </ul>		
Camera	<ul style="list-style-type: none"> <li>• Rear camera: 8.0M pixels CMOS color camera with autofocus</li> <li>• LED flash light with torch</li> <li>• Ability for superior photography at a dark place</li> </ul>		
Audio and Voice	<ul style="list-style-type: none"> <li>• One speaker</li> <li>• One receiver and dual noise-cancelling microphones</li> <li>• 3.5mm DIA stereo headset jack with mic. In</li> </ul>		
Sensor	Accelerometer, Light sensor, Proximity sensor, Gyroscope, E-compass		
Battery	<ul style="list-style-type: none"> <li>• Main Battery: 3.7V. 2300mAh Li-Ion smart battery pack</li> <li>• Main Battery: 3.7V. 3450mAh Li-Ion smart battery pack</li> <li>• One rechargeable RTC backup battery</li> <li>• One rechargeable backup battery for battery swap</li> </ul>		
Indicator	<ul style="list-style-type: none"> <li>• One 2-color (green/red) LED for charger</li> <li>• One 2-color (green/red) LED for information indicator</li> <li>• One 3-color (green/red/yellow) LED for Logo</li> <li>• One vibrator for scan or ring in indication</li> <li>• Audio tone indication</li> </ul>		
Scanner	2D scanner		
Keypad and Buttons	Hard key button [with back light] 12-key numeric[1-0/#/*] & Front-Key Side Key [Scan Key / volume key] Power key		
Dimensions and Weights	<ul style="list-style-type: none"> <li>• Dimensions: 175 X 71.8 X 19.5 mm</li> <li>• Weight: &lt; 300g [standard battery]</li> </ul>		
Software	Android 6.0		
User Environment	<ul style="list-style-type: none"> <li>• Operation Temperature : -20~60℃</li> <li>• Storage Temperature : -30~70℃ (without battery)</li> <li>• Humidity : 10%~90% non-condensing</li> <li>• Sealing : IP65</li> <li>• Drop : 1.5m MIL-STD 810G</li> <li>• Tumble: 0.5m tumbles for 300 cycles and 600 drops</li> <li>• ESD: +/-8KV direct discharge, +/-15KV air discharge</li> </ul>		
Regulatory Compliance	<ul style="list-style-type: none"> <li>• CE, NCC, BSMI, VCCI, TELEC</li> <li>• IEC62133 [Battery Pack], UN38.3, RoHS</li> <li>• BQB compliance</li> <li>• WiFi logo compliance</li> </ul>		
LED Behavior	Charging LED <ul style="list-style-type: none"> <li>• Charging: Red</li> <li>• Charge full: Green</li> <li>• Battery low: Red [Blinking on]</li> </ul>	Logo LED <ul style="list-style-type: none"> <li>• Scan: Scan Start: Red</li> <li>• Decoder: Green [Blinking Once]</li> </ul>	Information LED <ul style="list-style-type: none"> <li>• Miss Call: Red [Blinking, on: 100ms, off: 100ms]</li> <li>• Message and Skype notice: Blue [Blinking, on: 100ms, off: 100ms]</li> </ul>
Accessory	<ul style="list-style-type: none"> <li>• Standard package [in giftbox]: Standard battery, USB adapter [QC2.0], hand strap, USB cable.</li> <li>• Option Accessories: Extended battery, extended battery cover, single charging cradle, cradle power adapter , ethernet single cradle, and stylus.</li> </ul>		