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- Software Advantage
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- M95 vs. BXS2 & XE865

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- Technical Material Package
Target Applications

Smart Metering
VTS
Wireless POS
Personal Tracking
Industrial PDA
Highlights

- **Ultra Small and Thin**
  19.9 x 23.6 x 2.65 mm

- **High Data Speed**
  GPRS Multi-slot Class 12

- **Extremely Low Standby Current**
  1.3mA @ DRX=5

- **Quad-band**
  850/900/1800/1900MHz

- **Wide Working Temperature Range**
  -40 ℃ to +85℃

- **Humanization Design**
  Multi Fool-proof / Flexible layout
Hardware Architecture

Module

Radio Frequency

SPI Flash

Baseband Engine

RF

Audio

Power On/OFF

Power Supply

SIM Card

UART
Software Advantages

Quality Guarantee
- Reliable network protocol
- Steady flash protected mechanism
- Superior audio algorithms
- CE/FCC/IC/ICASA/NCC/Rogers/Anatel/A-Tick/Vodafone/R&TTE

Internet Services
- TCP/UDP
- PPP
- FTP
- HTTP
- SMTP
- MMS (Sending)

Flexible Applications
- DTMF
- Jamming Detection
- QuecLocator
- QuecCell
- QuecFOTA
- eCall/Era-Glonass (specific firmware)
Enhanced AT Commands

- Standard V.25ter AT commands
- GSM 07.07
- GSM 07.05 (SMS)
- GPRS AT commands in accordance with GSM 07.07
- TCP/IP stack AT commands
- STK (SIM Application Toolkit)
- Quectel defined AT commands (Enhanced Functions)
Mechanical Dimensions

Length: 23.6 mm (± 0.15mm)
Width: 19.9 mm (± 0.15mm)
Height: 2.65 mm (± 0.20mm)
Weight: 3g
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# M95 vs. Competitors

## M95 vs. BxS2 & XE865

<table>
<thead>
<tr>
<th>Product Features</th>
<th>M95</th>
<th>C-company BxS2</th>
<th>T-company XE865</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size (mm)</strong></td>
<td>19.9 x 23.6 x 2.65</td>
<td>18.8 x 26.7 x 2.7</td>
<td>22.0 x 22.0 x 3.0</td>
</tr>
<tr>
<td><strong>Package</strong></td>
<td>LCC, easier soldering and production</td>
<td>LGA package</td>
<td>BGA package, difficult to solder</td>
</tr>
<tr>
<td><strong>Current Consumption</strong></td>
<td>1.3mA @ DRX=5</td>
<td>1.5mA @ DRX=5</td>
<td>1.5mA @ DRX=9</td>
</tr>
<tr>
<td><strong>GPRS</strong></td>
<td>Class 1~12 configurable: max. 85.6kbps (uplink &amp; downlink)</td>
<td>Class 10: max. 42.8kbps (uplink), 85.6kbps (downlink)</td>
<td>Class 10: max. 42.8kbps (uplink &amp; downlink)</td>
</tr>
<tr>
<td><strong>Sensitivity</strong></td>
<td>-108.5dBm</td>
<td>-107dBm</td>
<td>GSM850 &amp; GSM900: -107dBm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DCS1800 &amp; PCS1900: -106dBm</td>
</tr>
<tr>
<td><strong>Switch-off Normal Method</strong></td>
<td>By “PWRKEY” or AT command</td>
<td>Only AT command</td>
<td>Only AT command</td>
</tr>
<tr>
<td><strong>Audio Interface</strong></td>
<td>2 channels</td>
<td>1 channel</td>
<td>1 channel</td>
</tr>
</tbody>
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Technical materials Package

- Hardware, software, specification
- Application notes package
- Debug tool, download tool, test tool,
- EVB package
- Approvals & test report package

Development Tool

- Interfaces
  - 2 RS-232 interfaces
  - Power supply
  - Antenna interface
  - Debug UART interface
  - Handset interface
  - Earphone interface

- Features
  - Network status LED
  - Power key
  - Emergency off key
Q&A...

Thank you