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1. Introduction of Telechips DAB Solutions

2. Portable DAB Solution
DAB Solution - Convergence

• DAB, Home/Car Solution

- CDMP3 + USB Host + Dual Band DAB
- DAB Function (DLS, EPG, Announcement, etc)
- One Antenna Available for DAB, FM, RDS Home Audio
- Zappa Solution

World’s Only One Solution
USB Host
CDMP3 + DAB

• DAB/MP3, Portable Solution

- Full Digital Audio (Digital Radio + Digital Compressed Audio)
- Compact size
- Support Time Shifting / DLS / EPG
- Ultra Low Power Consumption
- Audio DMB (Supporting the audio listening on DMB)
- WM-DRM10
DAB Portable Solution

For Portable Application

RF/Tuner IC
TCC320

Earphone & Antenna

NAND
SLC/MLC

TCC240Q
DC-DC

Data

Media Processor
TCC771/773L

CMD
I2C/L3/CSPI

USB2.0
Device

USB
Driver

SDRAM

Display

BAND III / Dual Band module (AEBP-8)
For Telechips Portable Customer
Solution : DAB Interface with TCC77X DMP Platform
Size : 30.0 X 20.0 X 2.5 (25 Pin)
Sample : Now

TCC771 : TCC770+CODEC
TCC773L :
TCC770+CODEC+2MB SDRAM
**Solution Benefits**

- **Full Feature Digital Audio** Player (MP3/WMA & DAB)
- Band III Module (Dual Band Available), Earphone Antenna (Recommend)
- **Support:** Auto Search (Ensemble/Service Channel, Band Selection)
  - Preset Function, Configuration Saving (Resume Function)
  - EPG – Q1, Year 2006
  - All Announcements (12 kinds of Information)
  - DLS (Text Information display)
    - 1Hr (192kbps bit rate) Time Shifting function & Bookmark on DAB
    - Fast Scanning and Channel Changing
- **DRM (Digital Rights Management) with Window Media Player 10 media**
- Support various MP3 Play Mode and Sound Effects
- Support multi-languages
- **Cost effective solution**
**DAB/MP3 Portable Solution**

### Major Specification

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<table>
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<tr>
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<tbody>
<tr>
<td><strong>Built-in Memory Capacity</strong></td>
<td>Up to 4GB (SLC / MLC)</td>
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<td><strong>Channel Change</strong></td>
<td>Acquisition &amp; Audio Play (U.K Local Scan : 8sec / Full Scan : 18sec)</td>
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<td><strong>Supports Audio Formats</strong></td>
<td>MP3 / WMA (WMA-DRM10)</td>
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<td><strong>Sensitivity</strong></td>
<td>Typical BER 1e^-4 @ -98dBm</td>
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<tr>
<td><strong>Preset</strong></td>
<td>Up to 20 Channel Saving</td>
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<tr>
<td><strong>Bit Rate</strong></td>
<td>MP3 : 8kbps ~ 320kbps, WMA : 8kbps ~ 320kbps, DAB : 64Kbps~256Kbps(All Stations can be covered)</td>
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<tr>
<td><strong>Output Frequency Range</strong></td>
<td>30Hz ~ 20kHz</td>
</tr>
<tr>
<td><strong>Input / Output Terminals</strong></td>
<td>USB2.0 High Speed Data Transfer</td>
</tr>
<tr>
<td><strong>Battery Type</strong></td>
<td>1* AA alkaline Battery</td>
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<tr>
<td><strong>Playing Time</strong></td>
<td>Last up to - MP3 : 50Hr, DAB : 15Hr</td>
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<tr>
<td><strong>Dimensions (W X H X D)</strong></td>
<td>39 X 80 X 29mm (Including Protruding Parts)</td>
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<tr>
<td><strong>Weight</strong></td>
<td>40g (65g with Battery)</td>
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Thank you