

Vehicle Console Unit

VCU Features

- ❖ Slimmer fashion design
- ❖ Dashboard mount unit for display function
- ❖ Base mount unit for control function
- ❖ 5.7" TFT colour LCD with touch screen
- ❖ Multi-media playback
- ❖ Different types of communication interfaces
- ❖ Expandable memory

Hardware

- ❖ **Processor:** 32 bit Intel Xscale core
- ❖ **Display:** TFT colour LCD with touch screen
- ❖ **Screen size:**
 - ◆ 5.7" with QVGA 320x240 resolution
 - ◆ 5.7" with VGA 640x480 resolution(optional)
- ❖ **Audio Interface (Optional):**
 - ◆ Audio IN: Mono mode Omni directional micro phone
 - ◆ Audio OUT: 2 Ohm/8W Speaker

Communication Interfaces

- ❖ Serial RS232, RS485 interface
- ❖ USB host & USB device interface
- ❖ Wi-Fi interface
- ❖ RF interface with proprietary protocol
 - ◆ Frequency: 2.4 Ghz
 - ◆ Transmitter output power: 1watt
 - ◆ Receiver sensitivity: -101 dbm
 - ◆ Lighting arresters: upto 10KV
- ❖ Bluetooth interface (optional)
- ❖ Ethernet interface: 10/100 Mbps (optional)
- ❖ CAN interface: J1939 (optional)

Power supply

- ❖ **AC/DC Converter**
 - ◆ 110 to 270 V AC, 50-60 Hz (optional)
 - ◆ DC car charger with in build spike suppresser
- ❖ **Backup battery:** Rechargeable Li-Ion battery with 1 hour backup time

Environmental

- ❖ **Operating temperature:** 0 to 50 Deg C
- ❖ **Operating humidity:** up to 95%
- ❖ **Storage temperature:** -20 to 70 Deg C
- ❖ Vibration test: 2G



Memory

- ❖ **Internal SDRAM:** 64 MB, expandable up to 128 MB
- ❖ **Internal flash:** 32 MB expandable up to 64 MB
- ❖ **External memory:** SD/MMC, CF card support

GPS Features

- ❖ **Cold Startup time:** 45 sec., average
- ❖ **Warm startup time:** 38 sec., average
- ❖ **Hot startup time:** 8 sec., average
- ❖ **Channels:** 12
- ❖ **Reacquisition:** 0.1 sec., average
- ❖ **Sensitivity:** -173 dBW
- ❖ **Antenna:** built-in internal antenna
- ❖ **Position accuracy:** 5 to 10 meter typically

Media Functions (optional)

- ❖ **Audio support:** MP3, WAV, WMA
- ❖ **Photo viewer:** JPEG, BMP
- ❖ **Video support:** MPEG, AVI

Software

- ❖ **Operating system:** Windows CE 5.0
- ❖ **Firmware upgrade:** PC utility software or through RF or using pen drive

Accessories

- ❖ User manual
- ❖ AC/DC power adaptor
- ❖ DC Car charger

Unit Dimensions

- ❖ **Dashboard mount unit(LxWxD):** 260x150x40mm
- ❖ **Base mount unit(LxWxD):** 320x75x270mm

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