



## 51852CW / 51853CW Series

**Application** Embedded Car PC / POS / ATM / Kiosk / Panel PC solution

**Features**  
 Intel Pentium M/Celeron M solution  
 5.25" board size  
 All connectors to Pin Header  
 PCI 104 / Mini PCI /PCI (51853CW)  
 LVDS  
 Touch screen controller on board  
 LPT port  
 Wide range DC-IN  
 6W stereo audio amplifier

### Specifications

. CPU type	Intel Pentium M/ Celeron M- Dothan processor
. Front Side Bus	400/533 MHz
. MB Chipset	Intel 82852GM/ 82852GME(Socket) + ICH4
. Graphics	Integrated with Intel 82852GM/GME Shared system memory up to 64MB Supports data format of 18 bits/36 bits
. LVDS	Supports data format of 18 bits/36 bits
. Memory	1 x DDR SDRAM (max. 1GB)
. IDE	Ultra ATA 100/66/33, 1 x 40 pin 2.54mm, 1 x 44 pin 2.0mm Support Compact Flash card type II for ATA interface
. Audio	AC-Link for Audio CODEC, AC'97 2.1 two channel sound
. LAN	2 x Realtek 10/100 Mbps (optional Realtek / Intel Gigabit)
. IO function	4 or 6x RS232 or 3x RS232 + 1x RS232/422/485 Support IEEE 1284 Parallel port for SSP and EPP V1.7 and V1.9 and ECP mode Supports IrDA 1.0/ASKIR protocol Supports PS2 keyboard and mouse
. USB	5 x USB 2.0
. DIO & WDT	Hardware digital Input & Output, 8xDI / 8xDO Hardware Watch Dog Timer, 0~255 sec programmable
. Audio Amplifier (Option)	6-W/CH Into an 8-Ω Load from a 12-V Supply Up to 92% Efficient, Class-D operation
. Touch Screen (Option)	C8051F321USB interface Touch screen controller Supported 4- , 5- , 8- wire Analog Resistive touch screen. USB 1.1 full speed sample rate of 300 point/s (max.)
. Expand interface	1 x Mini PCI for only PCI rev: 2.2 interface 1 x PCI 104 1 x PCI slot for PCI rev. 2.2 interface (51853CW), with RS003 riser card support to 2x PCI card
. Power	Wide range DC-IN DC input +9V~+32V or fix to +12V DC input. Convert into system power +12VAD to +5V±5%, +3.3V±5%, +12V±5%
. Dimension	203 x 146 mm (5 1/4 inch)

. Operation Temperature : 0 ~ 60°C  
 . Operation Humidity : 5~95% @ 60°C, non-condensing

### Ordering Information

. 51852CW-2RN10/2RNXX	2 LAN, Celeron M 1GHz/Socket 478, PCI-104
. 51853CW-2RN10/2RNXX	2 LAN, Celeron M 1GHz/Socket 478, PCI slot

