MP-60102

User's Manual

Edition 1.0 2010/03/23



Copyright

Copyright 2010 all rights reserved. This document is copyrighted and all rights are reserved. The information in this document is subject to change without prior notice to make improvements to the products.

This document contains proprietary information and protected by copyright. No part of this document may be reproduced, copied, or translated in any form or any means without prior written permission of the manufacturer.

All trademarks and/or registered trademarks contains in this document are property of their respective owners.

Disclaimer

The company shall not be liable for any incidental or consequential damages resulting from the performance or use of this product.

The company does not issue a warranty of any kind, express or implied, including without limitation implied warranties of merchantability or fitness for a particular purpose.

The company has the right to revise the manual or include changes in the specifications of the product described within it at any time without notice and without obligation to notify any person of such revision or changes.

Trademark

All trademarks are the property of their respective holders.

Any questions please visit our website at http://www.commell.com.tw.

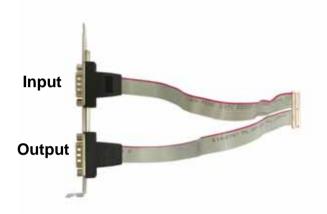
Packing List:

Hardware:

MP-60102 Mini-PCI Capture Card x1

Cable kit:

DF14 to dual D-SUB 9 Cable x 1 (OAL2DB9-H20)



4 Channel video and audio input Cable x 1 (OALDB9-BR4)



Video and Audio output Cable x 1 (OALAVE)

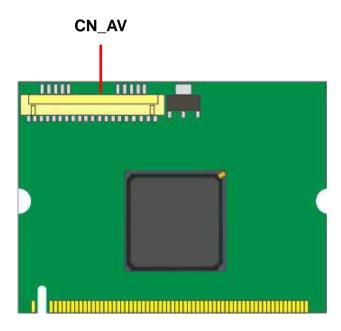


CD Content:

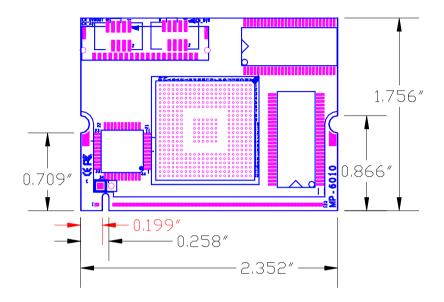
Drivers & User's Manual

.0 <product specification=""></product>							
General Specification							
Form Factor	Mini-PCI Type III B with 124-pin interface						
Video Decode Chipset	Softlogic solo6110-4						
Accessories	1 x DF14 to dual D-SUB 9 Cable						
	1 x 4 Channel video and audio input Cable						
	1 x video and audio output Cable						
Features	H.264 hardware compression Video Capture Card						
	4 Channel Video & Audio inputs						
	MAX resolution: NTSC at 704*480						
	PAL at 704*576						

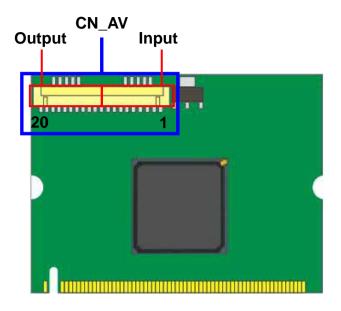
1.1 <Component Placement>



1.2 < Mechanical Drawing>



1.3 <Connector Reference>



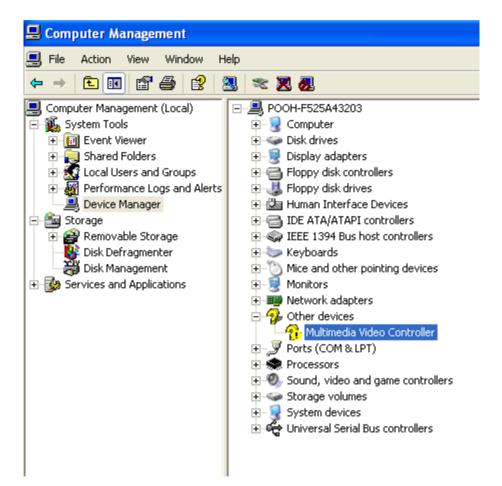
Pin	Description	Pin	Description
1	P_VI_CH1	11	OUTGND
2	P_VI_CH2	12	CVBS_OUTB
3	P_VI_CH3	13	OUTGND
4	P_VI_CH4	14	Y_OUTB
5	INGND	15	OUTGND
6	P_AI_CH1	16	C_OUTB
7	P_AI_CH2	17	OUTGND
8	P_AI_CH3	18	AUDIOL_OUT
9	P_AI_CH4	19	AUDIOR_OUT
10	INGND	20	OUTGND

Connector: CN_AV Type: DF14 20PIN / Male (Pitch=1.25mm)

1.4 <Driver Setting>

- 1. Copy the CD Driver folder to disk, Ex: C:\ , D:\ ...
- 2. Please choose Device Manager

And then you can see other devices



3. Please choose Multimedia Controller and press advanced

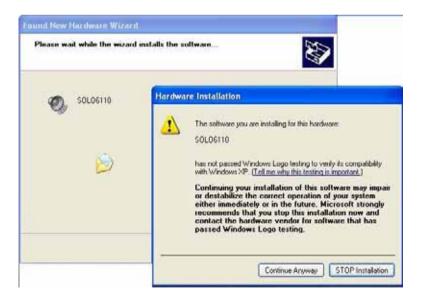
Found New Hardware Wiza	ard
	This wizard helps you install software for: Multimedia Controller If your hardware came with an installation CD or floppy disk, insert it now. What do you want the wizard to do? Install the software automatically (Recommended) Install from a list or specific location (Advanced) Click Next to continue.
	< Back Next > Cancel

4. Please select file location

D:\MP-60102\WindowXP\Driver

Hardware Update Wizard							
Please choose your search and installation options.							
Search for the best driver in these locations.							
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.							
Include this location in the search:							
D:\MP-60102\windows XP\Driver Browse							
O Don't search. I will choose the driver to install. Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.							
<pre></pre>							

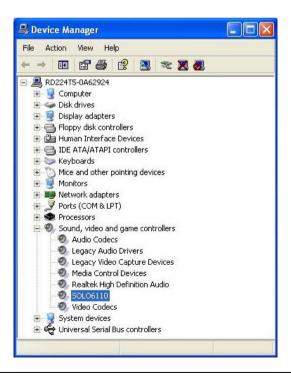
5. Please press continue anyway



6. Press Finish

Found New Hardware Wi	zard
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: SOL06110
	Click Finish to close the wizard.
	K Back Finish Cancel

7. Driver install succeed



1.5 < Application Setting & Functions>

1. Please select SDK location

D:\MP-60102\WindowXP\SDK

Then press SOLO6110App

SOLO6110 Application				٥
Current SOLO6110	Control		12	
SOLO6110-1	Live & Hv	∕V Player	SVV P	layer
h	Register	GPIO	UART	12C
Record Start Settings SOLO6110 Record Card Index			General	QUIT

2.Press General Setting

Live Display Mode select

5. Memory to Overlay , 60 field/sec or

6. Memory to Overlay, 30 frame/sec

VGA Card select Intel Onboard VGA

└ Video Stream File								
Au	dio S	trea	m Fil	е				
					- 1		1	
PLA	Y	AU:	SE	STO	P	-	<	
l<	<<	>>	>	1			5 -	
-				-				
-								
1	0/	0		0	0:0	0:0	0.000	
Play	y Sp	eed						
Slo	W	Nor	mal	Fa	st	1	×1	
Rea	al Chi	anne	el -					
1	2	3	4	5	6	7	8	
9	10	11	12	13	14	15	16	
-Virt	ual C	Chan	nel					
1	2	3	4	5	6	7	8	
9	10	11	12	13	14	15	16	
	PLA Is Pla' Sic Pla' Sic Pla' Sic Virt	PLAY < << 0 / Play Sp Slow Real Ch 1 2 9 10 Virtual C 1 2	PLAY PAU: I< << >> I< << >> I< << >> Play Speed Slow Nor Real Channe 1 2 3 9 10 11 Virtual Chan 1 2 3	PLAY PAUSE	I <	PLAY PAUSE STOP I <<	PLAY PAUSE STOP I <	

3.Main Function

A. Live & HW player

The live display and hardware player can be tested using this function

	Load file					
	video \rightarrow RH2_xxx.s					
	audio \rightarrow RG7_xxx.sl					
	\sim					
Split Mode	HW Decoder					
1 4 6 7 8 9 10 13 16	Video Stream File					
Display Size						
14 12 x1 x2 x3 F	Audio Stream File					
Live Display or H264 Decoding						
1L 2L 3L 4L 5L 6L 7L 8L	PLAY PAUSE STOP < >					
9L 10L 11L 12L 13L 14L 15L 16L						
Live Channel						
1 2 3 4 5 6 7 8	1					
9 10 11 12 13 14 15 16	0/0 00:00:00.000					
Video OSG	Play Speed					
ON OFF OSG Image Open	Slow Normal Fast X1					
	Real Channel					
	1 2 3 4 5 6 7 8					
	9 10 11 12 13 14 15 16					
	Virtual Channel					
Misc	1 2 3 4 5 6 7 8					
Ch Disp Top Hide Quit	9 10 11 12 13 14 15 16					

B. SW player

The recorded H.264 file can be played back using this function

	Video Stream File
	Audio Stream File
	Split Mode
	1 4 6 7 8 9 10 13 16
	Play Control
	PLAY PAUSE STOP < >
	0/0 00:00:00.000
	Play Speed
	Slow Normal Fast ×1
	Real Channel
	1 2 3 4 5 6 7 8
	9 10 11 12 13 14 15 16
Select audio channel	Virtual Channel
The audio played back only one	
	9 10 11 12 13 14 15 16
channel	3 10 11 12 13 14 13 10
	- Display Window
	_ Size
	14 12 x1 x2 x3 F
	Information
	Ch. Time Frame
	Misc
	Quit

Record setting

9 0 (chan	ne))									а	udio	С	hanne
ord S	etting Dia	log	1												
ideo —														2	- Audio (G.72
• Re	al Channel		сv	irtual Channel											Sampling Ra
-H264	_						1.4			_	JPEG	5		T	8KHz
	Quality	1	GOP	Img. Size	FP		Bitra	te	CBR B	uffer		Q	uality		Channel
All		•	0			•		-		•	All		-		1,2
1	10	•	15	704×480 Frame 💌	10	•	VBR	•	5 sec	•	1	2	•		3,4
2	10	•	15	704×480 Frame 💌	10	•	VBR	•	5 sec	•	2	2	•		
3	10	•	15	704×480 Frame 💌	10	•	VBR	•	5 sec	•	3	2	•		5,6
4	10	-	15	704x480 Frame 🔻	10	-	VBR	-	5 sec	•	4	2	•		7,8
5	10	•	15	704x480 Frame 🔻	10	-	VBR	•	5 sec	•	5	2	•		9,10
6	10	•	15	704x480 Frame 💌	10	-	VBR	•	5 sec	•	6	2	•		11,12
7	10	•	15	704×480 Frame 💌	10	•	VBR	•	5 sec	•	7	2	•		
8	10	•	15	704x480 Frame 🔻	10	-	VBR	•	5 sec	•	8	2	•		13,14
9	10	•	15	704x480 Frame 🔻	10	•	VBR	•	5 sec	•	9	2	•		15,16
10	10	•	15	704x480 Frame 🔻	10	•	VBR	•	5 sec	•	10	2	•		
11	10	•	15	704x480 Frame 🔻	10	•	VBR	•	5 sec	•	11	2	-		
12	10	-	15	704×480 Frame 🔻	10	•	VBR	•	5 sec	•	12	2	•		
13	10	-	15	704×480 Frame 💌	10	•	VBR	•	5 sec	•	13	2	•		
14	10	-	15	704×480 Frame 🔻	10	•	VBR	•	5 sec	-	14	2	-		
15	10	-	15	704×480 Frame 💌	10	•	VBR	•	5 sec	-	15	2	•		
16	10	-	15	704×480 Frame 🔻	10	•	VBR	-	5 sec	-	16	2	•		OK

FPS \rightarrow 60 FOR test

Contact Information

Any advice or comment about our products and service, or anything we can help you please don't hesitate to contact with us. We will do our best to support you for your products, projects and business.

Taiwan Co	Taiwan Commate Computer Inc.					
Address	19F, No. 94, Sec. 1, Shin Tai Wu Rd., Shi Chih Taipei Hsien, Taiwan					
TEL	+886-2-26963909					
FAX	+886-2-26963911					
Website	http://www.commell.com.tw					
E-Mail	info@commell.com.tw (General Information) tech@commell.com.tw (Technical Support)					
Commell is the	trademark of Taiwan Commate Computer INC.					

