MP-954GPS

User's Manual

Edition 1.0



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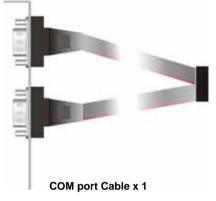
Any questions please visit our website at http://www.commell.com.tw.

Packing List:

Hardware :

MP-954GPS Mini-PCI GPS Card x1





Printed Matter :

MP-954GPS User's Manual

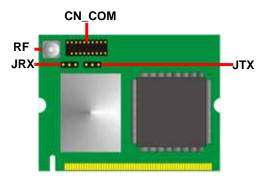
CD Content :

Drivers & User's Manual

1.1 < Product Specification>

General Specifica	tion
Form Factor	Mini-PCI TYPE III B
Controller	OXFORD OXmPCI954
Features	Three 16C950 High performance UART channels, first channel for
	GPS
GPS Chipset	SiRF Star III
GPS Features	Tracking Sensitivity: -159dBm
	Support NMEA 0183 and SiRF binary protocol
GPS Baud Rate	4,800 bps

1.2<Connector Assignment >



Connector: CN_COM

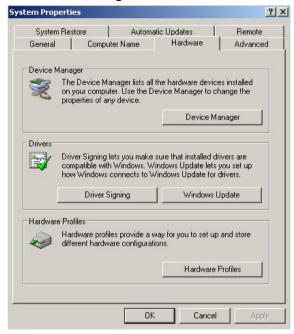
Type: 20-pin (10 x 2) header

Pin	Description	Pin	Description
1	DCD1-	2	RX1-
3	TX1-	4	DTR1-
5	Ground	6	DSR1-
7	RTS1-	8	CTS1-
9	RI1-	10	N/C
11	DCD2-	12	RX2-
13	TX2-	14	DTR2-
15	Ground	16	DSR2-
17	RTS2-	18	CTS2-
19	RI2-	20	N/C

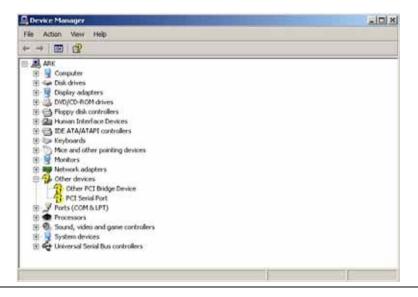
Pin	(3 x 1) header Description	Pin	Description	Pin	Description
1	VCC	2	RX	3	Ground
Connector:	JTX				
Type: 3-pin	(3 x 1) header				
Pin	Description	Pin	Description	Pin	Description
	VBAT	2	ТХ	3	Ground
1	VBIT	_			
••••••••	RF			-	
1 Connector: Type: MCX n Descript	RF	ion Pin	Description Pin	Description	n Pin Descripti

1.3<Driver Setting>

1. Please choose "Device Manager"



2. You can see other devices" Other PCI Bridge Device" and "PCI Serial Port"



4.Please choose "Other PCI Bridge Device" then press Reinstall Driver

her PCI	Bridge Device P	roperties		? :
General	Driver Details	Resources		
\diamond	Other PCI Bridge	Device		
	Device type:	Other devices		
	Manufacturer:	Unknown		
	Location:	PCI Slot 7 (PCI I	bus 3, device 12	, function 1)
	anstall the drivers n	or this device, click	Heinstall Driver.	Ŧ
		[Reinstall D	river
			a.	
Device	usage:			
-	usage: is device (enable)			

5. Please choose "NO, not this time "

Hardware Update Wizard	A REAL PROPERTY OF THE RE
	Welcome to the Hardware Update Wizard Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission). Read our privacy policy
	Can Windows connect to Windows Update to search for software? C Yes, this time only C Yes, now and every time I connect a device I No, not this time
	Click Next to continue.
	< Back Next > Cancel

6. Install software for "Other PCI Bridge Device"

Please choose "Install from a list or specific location"

Hardware Update Wizard	
	This wizard helps you install software for: Other PCI Bridge Device If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do? C Install the software automatically (Recommended) C Install from a list or specific location (Advanced) Click Next to continue.
	< Back Next > Cancel

7. Please choose "Search for the best driver in these location"

Check "Include this location in the search" then press "Browse"

16920	choose your s	search and ins	tallation options.		EXI I
·	Search for the be	est driver in these	locations.		
			t or expand the default lest driver found will be		icludes local
	🔲 Search rer	novable media (fl	oppy, CD-ROM)		
	🔽 Include thi	s location in the s	earch:		
				▼ Bro	owse
С	Don't search. I w	ill choose the driv	ver to install.		
			vice driver from a list. est match for your hard		iot guarantee

8.Please select the file location"CDROM:\Driver\MP-954\OXFORD\"

🖂 🧰 Driver	
🕀 🧰 MP878A&AS	
표 🧰 MP878D&878D2	
🖽 🛅 MP878S	
🖽 🧰 MP-5xx	
🖂 🧰 MP-954	
👝 linux	
oxford	•
To view any subfolders, click a plus sign abov	/e,

9. Installing "Other PCI Bridge Device"



10.Hardware Installation" PCI Function"

Press "Continue Anyway"

1	The software you are installing for this hardware:		
	PCI Function		
	has not passed Windows Logo testing to verify its compatibility with Windows XP. [Tell me why this testing is important.]		
	Continuing your installation of this software may impa or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.		
	or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has		

11.Complting the hardware update wizard



12. Please choose "PCI Serial Port" then press Reinstall Driver

Step same as 5~9, installing for "OX16PCI954 Triple PCI UARTs"

Hardwar	e Installation
1	The software you are installing for this hardware:
	0X16PCI954 Triple PCI UARTs
	has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why this testing is important.</u>)
	Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway STOP Installation

13. Found new hardware wizard "16C95x Serial Port"

Please choose "Install from a list or specific location"



14.Install step same as 5~9

15.When install finish, please select "PCI Communications port" Press "Detect Crystal Frequency", then select 7.3728MHz

EI Communications Port (COM5) Prop	perties	?
General Settings FIFOs Data rate [)river Details	
	16	6C950 (K)
- Input Clock	Crystal Frequenc	v (MHz)
Detect Crystal Frequency	7.3728	•
Baud rate configuration options Override Configuration	🔽 Use default bau	d rate
E Baud rate multiplier	1	-
Baud rate divider (prescaler)	4.000	7
4	Restore	Defaults
	ок	Cancel

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.

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