COM3/COM4 Driver Installation Guide

The UNO series are embedded, application ready platforms that shorten your development time. Its Celeron or Pentium MHz processor provides excellent performance. Serial ports and other networking interfaces support diverse communication requirements. Moreover, the UNO series can be used as controllers, communication gateways or thin client. With a watchdog timer and battery backed memory, system reliability is further enhanced. The UNO series have a compact and fanless design, and are built for installation in rugged environments.

The UNO series provide two embedded OS, Windows CE.NET and Windows XP Embedded, which offer a pre-configured image with optimized onboard device drivers. Windows XP Embedded delivers the power of the Windows operating system in componentized form. You can seamlessly integrate your applications into Windows XP Embedded.

This document introduces how to setup COM3/COM4 serial port under Windows2K/XP platform.

<Step1> Right-click "My Computer", and select "properties". Press the "Device Manager" button to configure the devices.

Adva	anced	Syst	em Restore	1	Remote
Gene	General Computer Name			Hardware	
dd Har	dware Wizard	d			
R	The Add H	ardware Wiza	ard helps yo	u install har	dware.
				Add Hardw	are Wizard
evice l	Manager				
V	The Device on your cor properties o	e Managerlist mputer. Use tl of any device.	.s all the har ne Device №	rdware dev Manager to	ices installed change the
				Device I	Manager
	re Profiles				
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<Step2> Right-click the "COM3/COM4" and select "Uninstall" to uninstall COM3/COM4.

📮 Device Manager	
File Action View Help	
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WNO-2160 With the second sec	
Properties	

<Step3> Right-click "My Computer", and select "properties". Press the "Add Hardware Wizard" button to add new device (COM3).

- Auva	inced	P.	S	vstem R	estore	1	Rem	ote
General			Computer Name		Hardw	Hardware		
Add Har	dware Wizar	d —						
Ŕ	The Add H	lardw	vare W	/izard he	lps you	install ha	irdware.	
					A	dd Hardv	ware Wizar	rd
)evice N	Manager							
and 1	The Devic	e Ma	nader	lists all t	he hard	ware dev	vices instal	led
3	on your co properties	mput of an	er. Us iy devi	e the De ce.	vice Ma	anager to	o change tł	he
34	on your co properties	mput of an	er. Us iy devi	e the De ce.	vice Ma	nagerto Device	o change th Manager	he
lardwar	on your co properties e Profiles	mput of an	er. Üsi iy devi	e the De ce.	vice Ma	nager to Device	o change th Manager	he
Hardwar	on your co properties e Profiles Hardware different ha	mput of an profile ardwa	er. Üs y devi es prov	e the De ce. vide a w nfiguratio	ay for yo	Device	o change th Manager up and sto	bre
Hardwar	on your co properties e Profiles Hardware different ha	mput of an profile ardwa	er. Üs y devi es prov are cor	e the De ce. vide a w nfiguratio	ay for yo	Device Du to set Hardwa	o change the Manager of Manager	he pre

<Step4> Press "Next", and choose "I have already connected the hardware".



ld Hardware Wizard			
Is the hardware connected?			EV3
Have you already connected this hardwa	re to your computer	1?	
Yes, I have already connected the	hardware		
No, I have not added the hardware	e yet		
			15
	< Back	Next >	Cancel

<Step5> Select "Add a new hardware device", and choose "Install the hardware that I manually select from a list [Advance]".

l he tollowing hardware is alread	ly installed on your computer
From the list below, select an insta properties or troubleshoot a proble	Illed hardware device, then click Next to check m you might be having.
To add hardware not shown in the	e list, click "Add a new hardware device."
Installed hardware:	
Communications Port (COM2))
🖌 🥰 VIA Rev 5 or later USB Unive	ersal Host Controller
🖌 🥰 VIA Rev 5 or later USB Unive	ersal Host Controller
😴 USB Root Hub	
ିଙ୍କ USB Root Hub ଙ୍କୁ USB Root Hub	
GUSB Root Hub CUSB Root Hub Add a new hardware device	
CB Root Hub	

Add Hardware Wizard	and the second
The wizard can help you install other h	ardware
The wizard can search for other hardware know exactly which hardware model you w	and automatically install it for you. Or, if you yant to install, you can select it from a list.
What do you want the wizard to do?	
C Search for and install the hardware a	automatically (Recommended)
Install the hardware that I manually s	select from a list (Advanced)
	(Back Next) Cancel

<Step6> Select "Port [COM&LPT]" → "Communication Port", and press the "Next" button to finish the whole process.

	pe or nardware you are installing	SUT -
If you do not see the hardware cate	egory you want, click Show All Devices.	
Common hardware types:		
Modems		_
NT Apm/Legacy Support		
Ports (COM & LPT)		
Printers		
🧶 Sound, video and game contr	ollers	
System devices		-
		<u> </u>

dd Hardware Wizard		
Select the device driver	you want to install for this hardw	vare.
Select the manufactur have a disk that conta	er and model of your hardware device a ins the driver you want to install, click H	and then click Next. If you Have Disk.
Manufacturer (Standard port types)	Model Communications Port Communications Commu	ort
This driver is digitally signe <u>Tell me why driver signing</u>	l. s important	Have Disk
	< Back	Next > Cancel



Repeat <Step3>~<Step6> to add new device (COM4).

<Step7> Right-click the "COM3" under device manager and select "properties" to configure the parameters of COM3.

🖳 Device Manager	
File Action View Help	
UNO-2160 Advantech SRAM Driver Advantech SRAM Driver Disk drives Display adapters Floppy disk controllers DE ATA/ATAPI controllers DE ATA/ATAPI controllers Keyboards Monitors Monitors PCMCIA adapters Ports (COM & LPT) Communications Port (COM1) Communications Port (COM2)	*
Communications Port (COM2) Communications Port (COM3) Communications Port (COM4) Communications Port (COM4) Printer Port (LPT1) Disable Uninstall Scan for hardware changes Properties Properties Properties	<u>•</u>

<Step8> Select the "Resources" tag of COM3 properties, and press the "Set Configuration Manually" button.

nimunica	ations Port (LUM3)	Properti	25		<u>?</u>
ieneral	Port Settings	Driver	Resourc	es		
Z	Communicatio	ons Port	(COM3)			
Resource	e settings:					
This devi	ce isn't using	any reso	urces beca	ause it ha	as a problem	
				Set (Configuration	n Manually
				Set (Configuration	n Manually
				Set (Configuration	n Manually
				Set (Configuration	n Manually
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				Set (Configuration	n Manually
				Set (Configuration	n Manually

<Step9> Click "Setting based on" and select "Basic configuration 0008". Change the IRQ to "10" and the I/O range to "03E8-03EF" for COM3.

nmunications P	ort (COM3) Properties		?
ieneral Port Setti	ngs Driver Resources		
Commun	ications Port (COM3)		
Resource type	Settina		
iii 1/0 Range	03E8 - 03EF 10		
 Setting based on:	Basic configuration 0008		•
	🗖 Use automatic settings	Change	Setting
Conflicting device	list:		
No conflicts.			*
		ок	Cancel

Repeat <Step7>~<Step9> to configure the parameters of COM4. Set the **IRQ to "10"** and **I/O** range to "02E8-02EF" for COM4.

<Step10> Restart UNO and COM3/COM4 will be enabling.

🚇 Device Manager	
File Action View Help	
UNO-2160	-
🗄 📲 Display adapters	
🗄 🗃 Floppy disk controllers	
Tandard floppy disk controller	
🗄 🗃 IDE ATA/ATAPI controllers	
🗄 🦢 Keyboards	
🗄 🕀 🖄 Mice and other pointing devices	
📔 🕀 😼 Monitors	
Petwork adapters	
E PCMCIA adapters	
Ports (COM & LPT)	
Communications Port (COM1)	
Communications Port (COM2)	
Communications Port (COM3)	
Communications Port (COM4)	
Y Printer Port (LP11)	
timente sound, video and game controllers	
Emily System devices	-