



Driver Installation(SCM-US, SCM-US48I) 1. USB Driver Installation Jost Durwebsite (http://www.autonics.com) to download 'SCM-US USB Driver' or 'SCM-US48I USB Driver' Unzip download 'SCM-US.zip' or 'SCM-US48I.zip' at any directory. 3) When connecting product with USB port, "Found New Hardware Wizard" will appear automatically. 'Do you want to search software by connecting 'Window Update'?. Click 'No' button and the following window will be displayed to proceed Driver installation. Select 'Install from a list or specific location (Advanced)' and click 'Next'. Velcome to the Found New lardware Wizard E Contraction of the second se s wizard helps you install softw If your hardware came with an or floppy disk, insert it now. want the wizard to do Install the software automatically Install from a list or specific location Next> Cancel 4) Select 'Search for best driver in these locations' and 'include this location in the search' continuously. Click the 'Browse' button. 5) When 'Browse Folder' window is displayed, select 'SCM-US\Driver' and click 'Finish'. Click 'Next' to proceed with the USB Driver installation. Found New Hardware Wizard our search and install ocations. ch: Browse <<u>Back Next></u> Cancel 6) Hardware installation message will appear while Found New Hardware Wizard is running. Click 'Continue Anyway' to proceed with installation. Hardware Installation The software you are installing for this hardware SCM-US Driver(Autonics Corp) 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 or destabilize the correct operation of your syst either immediately or in the future. Microsoft at recommends that you stop this installation now contact the hardware vendor for software that I passed Windows Logo testing. Continue Anyway STOP Installation 7) The following window will be displayed if the USB Driver is installed properly. Click the 'Finish' button. mpleting the Found New rdware Wizard E SCM-US48I Driver(Autorics Corp) 2. Serial Port Driver Installation Found New Hardware Wizard 1) After installing USB Driver, Serial Port (COM port), 'Found New Hardware Wizard' will appear (Serial Port Driver installation follows the same procedures described in installing USB Driver). tions. boxes below to limit or exper-wable media. The best driver 2) After selecting 'Install from a list or specific arch removable media (floppy, CD-ROM Iocation(advance)', click 'Next' button. The following window will be displayed for 'Search Include this location in the search: Browse and installation options' Choose this option to select the device driver from a list. Wind the driver you choose will be the best match for your bactware. 3) Because a driver location was selected when installing USB driver, click 'Next' button < Back Next> Cancel

4) Hardware installation message will appear while Found New Hardware Wizard is running. Click 'Continue Anyway' to roceed with installation

5) 'Completing the Found New Hardware wizard' will be displayed if the Serial Port Driver is installed properly. Click the 'Finish' button.

nd New Hardware Wizard 20 SCM-US48I Serial Port

KVerify that drivers were installed properly with the windows Device Manager after finishing USB Driver and Serial Port Driver installation.

Open the folder [My computer], open the system folder (click right), click the hardware tab, and click the device manager button. Then, make sure that 'SCM-US Serial Port (COM_)' or 'SCM-US48I Driver (COM_)' is found in 'Port (COM and LPT)' and 'SCM-US Driver(Autonics Corp)' or 'SCM-US48I Driver (Autonics Corp)' is found in 'Common Serial Bus Controller' category.

	(Autorites Colp) is found in Common Serial bus Controller Category.				
Auto-loop Back >	🖳 Device Manager				
SCM-38I	Eile Action View Help				
120Ω) B(-) RS485 DEVICE					
A(+) B(-) RS485 DEVICE #30	Orice and other pointing devices Monitors Monitors Monitors Printer Port (LPT1) Superior Light Serial Port (COM_) System devices System devices Orice sontrollers Universal Serial Bus controllers				
C USB port and connecting this is not a malfunction. use connect PC first. Then, connect s, remove the unit in reverse order. unication is recommended. gth of A(+) and B(-) cables. CE, be sure to attach the termination	SCM-U548I Driver(Autonics Corp) Standard Enhanced PCI to USB Host Controller Standard OpenHCD USB Host Controller USB Root Hub USB Root Hub				
will be numbered in order.	%This Driver Installation shows the procedure for Windows XP. There might be some differences in the specification above depending on OS.				
port number before communication. s connected.	Major products				
n cable to extend USB cable length. ge power line.	Photoelectric sensors Temperature controllers Fiber optic sensors Temperature/Humidity transducers Door sensors SSR/Power controllers Area sensors Sensor controllers Proximity sensors Display units Pressure sensors Panel meters Rotary encoders Counters				
s are used I or electric noise are generated to keep the unit package as it is.	Connectors/Sockets ■ Timers Switching mode power supplies Control SwitchesL amps/Buzzers WOT Terminal Blocks & Cables Stepper motors/drivers/motion controllers Stepper motors/drivers/motion controllers Graphiol/Logic panels Stepper motors/drivers/motion controllers				
Installation Category I	Field network devices EP-KE-10-009B Laser marking system(Fiber, CO ₂ , Nd:YAG) EP-KE-10-009B Laser welding/soldering system EP-KE-10-009B				

Power consumtion		Approx. 1W	Approx. 1.7W	Approx. 1W	
Communication speed		(※2) 1,200 ~ 115,200bps (Recommended: 9,600bps)			
Communication type		Half Duplex type			
Available communication distance		1.5m(No extension)	Max. 1.2km	USB: Max. 1m± 30% RS485: Max. 1.2km	Computer B
Multi-drop		-	Max. 31 Multi-drop		
Pro- C	Data Bit	-	5 to 8		
	Stop Bit	-	1 or 2		
(※2) F	Parity Bit	-	None/Odd/Even		Caution for using
0	-61	USB: A type connector	RS232C: D-sub 9Pin	USB: B type connector	1. In case of connecting PC with SCM-US/SCM-US48I, when changing PC
Connection type		Earphone Jack (4 pole stereo phone plug)	RS485: 4 wire Screw terminal(2 wire communication type)		unit to another (changed) USB por t, USB driver will be reinstalled. This is 2. When connecting SCM-US or SCM-US48I communication module, please
Isolation type		Non-isolation	Isolation	Isolation	RS485 communication product afterward. When disconnecting the units, r 3. Using the Twist pair cable(AWG 24), which is suitable to RS485 communi
Dielectric strength		-	Between terminals and case: 2000VAC 50/60Hz for 1 min Between RS232C and RS485: 2500VAC 50/60Hz for 1 min.	Between terminals and case: 2500VAC 50/60Hz for 1 min. Between RS232C and RS485: 2500VAC 50/60Hz for 1 min.	 Using the Twist pair cable(AWG 24), which is suitable to RS455 communi If the Twist pair cable is not used, he sure preserving identically the lengt 4. After connecting SCM-38I, SCM-US48I with RS485 communication DEVICE resistor(100 to 1202). In case of connect PC with SCM-US or SCM-US48I. No. of COM Port with
Isolation resistance		-	100MΩ (at 500VDC megger)		 This is not a malfunction. (e.g., COM 14, COM 15COM 256) When connecting SCM-US or SCM-US48I with USB cable, check COM po It may take some time for computer to detect the cable after the cable is -
Dielectric strength		-	± 500V the squre wave noise(plus width:1µs) by the noise simulator		
Vibra- Mechanical		0.75mm amplitude at frequency of 10 to 55Hz in each of X, Y, Z directions for 1hour			(This is not a malfunctions)
tion	Malfunction	0.5mm amplitude at frequency of 10 to 55Hz in each of X, Y, Z directions for 10 minutes			 When connecting PC with SCM-US or SCM-48I, do not use the extension of It may cause a malfunction. Be cautious when using SCM-US as non-isolated type.
Shock	Mechanical	300m/s ² (30G) X, Y, Z directions for 3 times			
	Malfunction	100m/s ² (10G) X, Y, Z directions for 3 times			9. Only use Autonics products that are available for SCM-US.
Environ -ment	Ambient temperature	-10 to 55°C, Storage: -20 to 60°C			10. Observe the rated voltage.
	Ambient humidity	35 to 85%RH, Storage: 35 to 85%RH			11. To avoid malfunctions due to noise, do not place the unit close to a high-voltage
Approval		CE 🕼			12. Do not use this unit at below places because of product damage.
Accessory		- USB 2.0 AB type cable(length:1m)		USB 20 AB type cable/length:1m)	 ① Place where there are severe vibration or impact ② Place where strong alkalis or acids an ③ Place where there are direct ray of the sun ④ Place where strong magnetic field or
Weight		Approx. 41g	Approx. 46g	Approx. 34.5g	13. Storage
2: Prot When	tocol and Co communica	ating with Autonics products.	host controller. by Hyper terminal. DAQ maste set communication speed to ication above depending on F or condensation.	9.600bps.	Keep the unit-20 to 60°C, 35 to 85% RH with avoiding direct rays of light. It is recommended to 14. Installation environment ③ It shall be used indoor ③ Altitude Max. 2,000m ③ Pollution Degree 2 ④ In:
The above specifications are subject to change and some models may be discontinued without notice.					. XIt may cause malfunction if above instructions are not followed.

12-24VDC ± 10%

(※1)

Power supply

(※1)

3. SCM-US48

USB B Type USB RS485

Termination resistor(100 to 1)