

Certification Test



Adding and Configuring the Modbus TCP/IP Option Card
TRM800-ModbusTCPIP (eLM.AFD1000.01.ModbusTCPIP)

Taking the Certification Test

No demo unit is needed to take this test. Please record all answers on this answer sheet. Multiple-choice questions have **only one** correct answer, except where noted otherwise. Choose the best answer for each question.

A passing score is 90%.

Returning the Certification Test

Option 1: Fax this page to **Yaskawa Technical Training Services** at (847) 887-7185.

Option 2: E-mail the answers and **all** contact info below to training@yaskawa.com.

Receiving Your Score

You may review your answers only if a passing score is received. When the test is taken during class, you will receive your score as soon as it can be graded. When taken as a CLEP test or pre-requisite enrollment test, contact Technical Training Services via email or phone to receive your score.

Answer Sheet:

- | | |
|----------|-----------|
| 1. _____ | 6. _____ |
| 2. _____ | 7. _____ |
| 3. _____ | 8. _____ |
| 4. _____ | 9. _____ |
| 5. _____ | 10. _____ |

Contact Information:

Name: _____ Title: _____

Company: _____ Email: _____

Address: _____

Phone Number: _____ Fax number: _____

Supervisor's Name/ Title: _____

Name of Yaskawa Rep: _____

Test Date: _____

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1. What is the difference between the SI-EM3 and SI-EM3D options?
 - A. One is for the standard sized drives and the other for micro sized drives
 - B. One is single port and the other is dual port
 - C. One is for Modbus TCP/IP and the other for EtherNet/IP
 - D. There is no difference

2. How should the Modbus TCP/IP board be grounded?
 - A. Wire between board mounting screw and driver ground
 - B. Star washer with mounting screw
 - C. To the secondary of the Drives control transformer
 - D. It shouldn't be grounded

3. Which network topology or topologies require an option board with dual RJ45 jacks/ports?
 - A. Star
 - B. Tree
 - C. Star or Tree
 - D. Line or Ring

4. How is RSTP enabled on a Yaskawa Modbus TCP/IP option card?
 - A. Option card webpage
 - B. Yaskawa.com homepage
 - C. Dipswitch
 - D. Parameter F7-13

5. Instead of manually setting the option board's IP address, you want the network to set the address via DHCP, which setting would achieve this?
 - A. b1-02=3
 - B. F7-01=0.0.0.0
 - C. H5-01=31
 - D. F7-13=2

6. Which bit of information is NOT shown on the Modbus TCP/IP option card webpage?
 - A. Serial Number
 - B. MAC ID
 - C. Wireless SSID
 - D. Firmware version

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7. True or False: The lower the Bridge Priority setting of a RSTP enabled device, the more likely it will be the Root Bridge.
 - A. True
 - B. False

8. When attaching a Yaskawa Drive with SI-EM3D option to a Modbus TCP/IP network which of the following is true about configuring it as a node on the network?
 - A. Its node name must include its MAC ID
 - B. Its name and IP address must be unique on the network
 - C. All Yaskawa devices must have an IP address ending in 80 through 83
 - D. None of the above

9. True or False: A Read Request specifies information read by the Drive sent from the PLC.
 - A. True
 - B. False

10. Which is the best and easiest way to check a Cat5 cable for damage?
 - A. A digital multi-meter
 - B. An oscilloscope
 - C. Submerge it in water and look for bubbles
 - D. A Ethernet cable tester