

Liaw Yih-Shyan Wally
Form 4
December 23, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
Liaw Yih-Shyan Wally

2. Issuer Name and Ticker or Trading Symbol
Super Micro Computer, Inc. [SMCI]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
1878 CHARNWOOD CT.

(Street)

3. Date of Earliest Transaction (Month/Day/Year)
11/26/2010

Director 10% Owner
 Officer (give title below) Other (specify below)
Secretary & V P of Intl Sales

SAN JOSE, CA 95132

(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | | Code V Amount (D) Price | | | |
| Common Stock | 11/26/2010 | | F | 21,498 D \$ 101.4825 | 128,502 | I | By Spouse |
| Common Stock | | | | | 600,000 | I | By Shioh-Meei S. Liaw as Trustee for YSL Grantor Retained Trust |
| Common Stock | | | | | 1,760,000 | I | By Liaw Family Trust (1) |

| | | | |
|--------------|---------|---|--|
| Common Stock | 600,000 | I | By SML Grantor Retained Trust <u>(1)</u> |
|--------------|---------|---|--|

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Nu... |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|----------|
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|----------|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|-------------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Liaw Yih-Shyan Wally 1878 CHARNWOOD CT. SAN JOSE, CA 95132 | X | X | Secretary & V P of Intl Sales | |

Signatures

/s/ Winnie Tsai,
Attorney-in-Fact

12/23/2010

__Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) These shares are held in a trust for the benefit of the reporting person's children. The reporting person and his spouse, Shiow-Meei S. Liaw, are the trustees of the trust.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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