

InfuSystem Holdings, Inc  
Form SC 13G  
February 14, 2008

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

**SCHEDULE 13G**

**Under the Securities Exchange Act of 1934**

Infusystem Holdings, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

411357106

(CUSIP Number)

February 14 , 2008

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 (the "Act") or otherwise subject to the liabilities of that section of the Act, but shall be subject to all other provisions of the Act (however, see the Notes.)

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CUSIP No. 411357106

1. NAMES OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

FTN Midwest Securities Corp.  
01-0635529

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a)

(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5. SOLE VOTING POWER	1,573,007
	6. SHARED VOTING POWER	0
	7. SOLE DISPOSITIVE POWER	1,573,007
	8. SHARED DISPOSITIVE POWER	0

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,573,007

10. CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

9.0%

12. TYPE OF REPORTING PERSON

BD

**Item 1.**

- (a) **Name of Issuer** Infusystem Holdings, Inc.
- (b) **Address of Issuer's Principal Executive Offices** 1551 East Lincoln Avenue, Suite 200, Madison Heights, Michigan 48071

**Item 2.**

- (a) **Name of Person Filing** FTN Midwest Securities, Inc.
- (b) **Address of Principal Business Office or, if None, Residence** 1301 East Ninth Street, Cleveland, Ohio 44114
- (c) **Citizenship** Delaware
- (d) **Title of Class of Securities** Common Stock
- (e) **CUSIP Number** 411357106

**Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:**

- (a)  Broker or dealer registered under Section 15 of the Act (15 U.S.C. 78o).
- (b)  Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c)  Insurance Company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d)  Investment Company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e)  An investment adviser in accordance with Rule 240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with Rule 240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with Rule 240.13d-1(b)(1)(ii)(G);
- (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  Group, in accordance with Rule 240.13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to Rule 13d-1(c), check this box [ ]

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**Item 4. Ownership.**

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount Beneficially Owned:

FTN Midwest Securities Corp. may be deemed to beneficially own 1,573,007 shares of the Issuer's Common Stock. This number includes 919,442 shares held by FTN Midwest Securities Corp. FTN Midwest Securities Corp. also controls 666,666 currently exercisable options and 1,666,666 warrants. Under the terms of the options and warrants, FTN Midwest Securities Corp. may only exercise the options and warrants to the extent that such exercise would not cause FTN Midwest Securities Corp.'s ownership of Issuer to exceed 9% of Issuer's outstanding shares. As a result, since as of November 13, 2007, the Issuer had 16,824,295 shares outstanding, as disclosed by the Issuer on its Form 10-Q filed on November 14, 2007 (which number includes the 919,442 shares FTN Midwest Securities Corp. owns outright), FTN Midwest Securities Corp. has the power to exercise up to 656,565 options or warrants to reach the 9% limit on its control of Issuer's outstanding shares.

(b) Percent of Class:

9.0%

(c) Number of shares as to which such person has:

- (i) sole power to vote or to direct the vote 1,573,007
- (ii) shared power to vote or to direct the vote 0
- (iii) sole power to dispose or to direct the disposition of 1,573,007
- (iv) shared power to dispose or to direct the disposition of 0

**Item 5. Ownership of Five Percent or Less of Class.**

5.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: [ ]

**Ownership of More than Five Percent on Behalf of Another Person.**

**Item  
6.**

Not Applicable

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.**

Not Applicable.

**Item 8. Identification and Classification of Members of the Group.**

Not Applicable.

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**Item 9. Notice of Dissolution of Group.**

Not Applicable.

**Item 10. Certification.**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

By:

/s/ Sal Raffa

Name: Sal Raffa

Title: Chief Financial Officer

Date: February 14, 2008

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