

AIRGATE PCS INC /DE/  
Form 424B3  
February 10, 2005

Filed Pursuant to Rule 424(b)(3)  
Registration Statement No. 333-112843

Prospectus Supplement No. 22

[GRAPHIC OMITTED - LOGO]

9 3/8% Senior Subordinated Secured Notes due 2009  
and  
Shares of Common Stock

This prospectus supplement supplements the prospectus dated February 20, 2004 of AirGate PCS, Inc., as supplemented by prospectus supplement Nos. 1 through 21 dated March 5, March 8, March 10, March 12, March 24, March 30, April 1, April 14, April 19, April 20, April 27, May 5, May 7, May 19, June 17, July 2, July 13, November 2, November 26, and December 21, 2004, and February 9, 2005, respectively, relating to the sale by certain holders of our 9 3/8% Senior Subordinated Secured Notes due 2009 and shares of our common stock. You should read this prospectus supplement in conjunction with the prospectus. This prospectus supplement is qualified by reference to the prospectus except to the extent that the information in this prospectus supplement supersedes the information contained in the prospectus. Capitalized terms used in this prospectus supplement and not otherwise defined herein have the meanings specified in the prospectus.

As previously reported in prospectus supplement No. 19, Third Point Partners LP, Third Point Offshore Fund Ltd., Points West International Investments Ltd., Banzai Partners LP, Banzai Offshore Fund Ltd. and Lyxor Asset Management sold an aggregate of \$5,000,000 in principal amount of notes in two transactions exempt from registration under the Securities Act to Banc of America Securities LLC. As previously reported in prospectus supplement No. 20, The Bond Fund of America, Inc. and The Income Funds of America, Inc. sold an aggregate of \$3,000,000 in principal amount of notes in a transaction exempt from registration under the Securities Act to Banc of America Securities LLC. Banc of America Securities LLC has previously resold \$4,500,000 in principal amount of such notes under the prospectus; it has resold an additional \$1,566,000 in principal amount of such notes under the prospectus.

Our common stock is quoted on The Nasdaq National Market under the symbol "PCSA." On February 8, 2004, the reported last sale price per share of our common stock on The Nasdaq National Market was \$36.70.

Investing in the notes and our common stock involves risks. See "Risk Factors" beginning on page 4 of the prospectus.

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Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the accuracy or adequacy of this prospectus. Any representation to the contrary is a criminal offense.

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The date of this Prospectus Supplement is February 10, 2005