



PICK BY LIGHT и PUT TO LIGHT:
description of elements
and principle of work

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1. INTRODUCTION

ABLEPick is an advanced paperless picking system providing an innovative, streamlined and cost-effective Pick-to-light solution to simplify the order fulfillment process in warehouse or distribution center. ABLEPick use a state-of-the-art and light-directed technology to maximize the picking productivity, speed and accuracy in different picking operation.

PRODUCTS FEATURES

- Ethernet architecture, follow up the standard TCP/IP communication protocol.
- Two-wired magnetic bus pick tags.
- Versatility in different operating modes configuration.
- Easy to install, maintain and upgrade.
- Wide operating temperature range (from -25oC to 40oC).

BENEFIT

- Paperless picking process.
- Streamline the order fulfillment process.
- Increase picking productivity dramatically.
- Accuracy assured: virtually eliminate picking error, below 0.1%.
- Easy to use: picker can usually be trained in less than 1/2 hour.
- Strengthen management control: on-line picking data control, easy to prompt the material shortage.

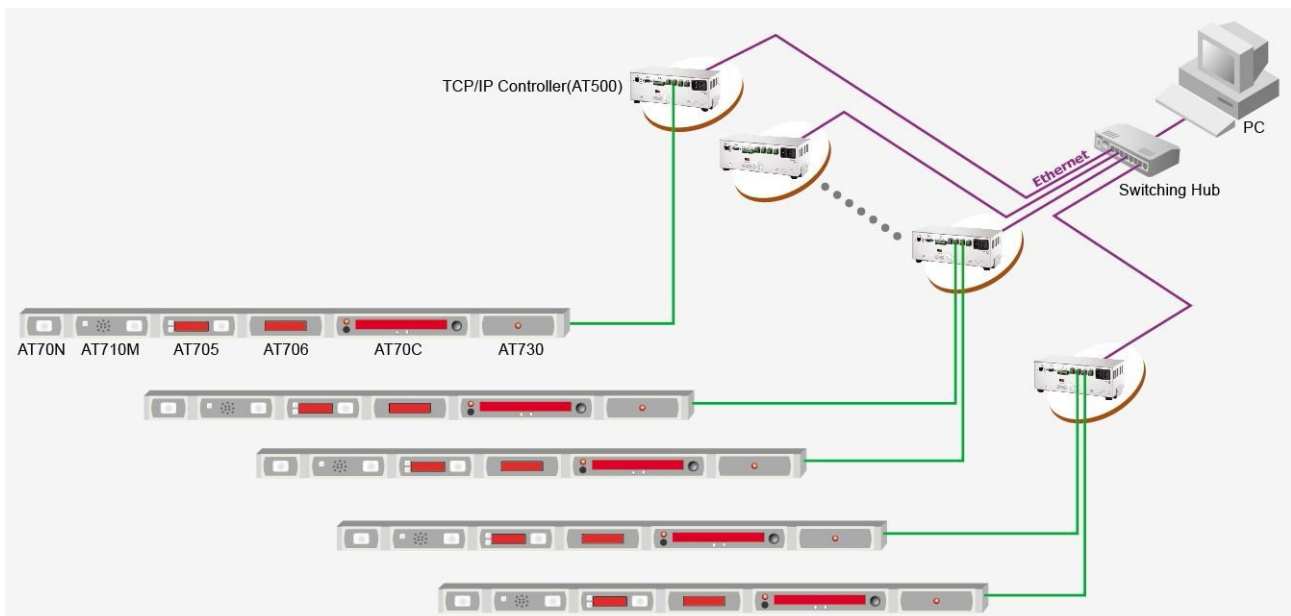


Figure ABLEPICK Architecture

The basic ABLEPick system includes a personal computer, a controller, pick tags, bay indicators, order displays and completion indicators. It is designed as compact, reliable, versatile, easily maintained and installed module to satisfy diversified applications. The picking system computer acquires the picking data from warehouse management system via on-line or off-line medium, and sends to picking tags. Pickers pick up the items by quantity shown on the tags and return picking status back to the system.

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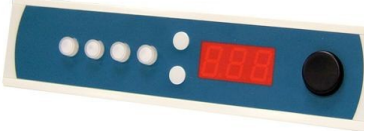



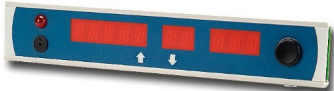
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ATOP PROVIDES A SERIES OF ABLEPICK DEVICES TO MEET YOUR APPLICATION REQUIREMENT:

Model no.	Function Description	Outlook
AT500	TCP/IP controller A Maximum of 120 light module can be connected 10/100 Mbps Ethernet TCP/IP protocol	
AT400	Compact TCP/IP controller A Maximum of 30 light module can be connected 10/100 Mbps Ethernet TCP/IP protocol	
AT505	5-digit Picking Tag 1 confirm button + 2 function keys 3 colored LED light	
AT502	2-digit Picking Tag 1 confirm button + 2 function keys 3 colored LED light	
AT50N	Economic picking tag 1 confirm button + 2 function keys 3 colored LED light	
AT506	Order Display 6-digit display	
AT50C	12-digit Alphanumerical display 1 confirm button + 2 function keys. Red LED light + Buzzer	
AT510	Completion Indicator Confirm button Green LED light + buzzer	
AT510M	Melody Completion Indicator Confirm button Green LED light + speaker 12 melody songs 16 volume degree	

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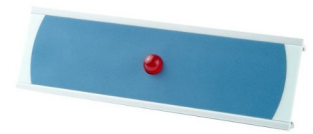
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<p>AT511</p>	<p>Bay indicator Yellow LED light</p>	
<p>AT504A</p>	<p>4-digit directional picking tags 1 confirm button + 2 function keys 3 colored LED light 2 directional arrows, up arrow is red, the down arrow is green</p>	
<p>AT503A</p>	<p>3-digit directional picking tags 1 confirm button + 2 function keys 3 colored LED light 2 directional arrows, up arrow is red, the down arrow is green</p>	
<p>AT503-4K</p>	<p>3-digit picking tags 1 confirm button + 2 function keys 4 lightable buttons: Red, Green, Yellow and Blue</p>	
<p>AT502V</p>	<p>2-digit vertical & directional picking tags 1 confirm button + 2 function keys 3 colored LED light 2 directional arrows, right arrow is red, the left arrow is green</p>	
<p>AT506-3W-123</p>	<p>6-digit, 3 separated windows picking tag 1 confirm button + 2 function keys 3 colored LED light 3 separated windows(1+2+3)</p>	
<p>AT506-2W-33</p>	<p>6-digit, 2 separated windows picking tag 1 confirm button + 2 function keys 3 colored LED light 2 separated windows (3+3)</p>	
<p>AT50A-3W-523</p>	<p>10-digit alphanumerical display, 3 separated windows (5+2+3) 1 confirmation button + 2 Function Keys LED Indicator + Buzzer</p>	

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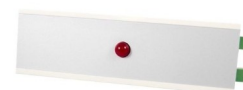
AT530	RS232/485 converter 9-pin female RS232 connector
AT705	5-digit Picking Tag Large illuminated button with 6 colored LED light. 2 Function Keys
AT705-E	5-digit Alphanumerical Picking Tag Large illuminated button with 6 colored LED light. 2 Function Keys
AT703	3-digit Picking Tag Large illuminated button with 6 colored LED light 2 Function Keys
AT703A	3-digit directional picking tag Large illuminated button with 6 colored LED light Up & down illuminated arrows buttons Up arrow is RED, down arrow is GREE
AT702	2-digit Picking Tag Large illuminated button with 6 colored LED light 2 Function Keys
AT702V	2-digit vertical picking tag Large illuminated button with 6 colored LED light Left & right illuminated arrows buttons Right arrow is RED, Left arrow is GREEN
AT70N	Large illuminated button with 6 colored LED light
AT706	Order Display 6-digit display



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AT70C	12-digit Alphanumerical display 1 confirm button + 2 function keys. Red LED light + Buzzer
AT710M	Melody Completion Indicator Confirm button Green LED light + speaker 12 melody songs 16 volume degree
AT730	RS232/485 converter 9-pin female RS232 connector
AT706-24-3K	6-digit Picking Tag with 2 color LED First 2 digits by Green, 4 digits by Red Large illuminated button with 6 colored LED light 2 up/down Function Keys 1 blue function key
AT706-3W-123	6-digit, 3 separated windows picking tag Large illuminated button with 6 colored LED light 2 up/down Function Keys 1 blue function key 3 separated windows(1+2+3)
AT706E	Order Display 6-digit alphanumerical display
AT70D	LCD display 192*32 LCD display, display 2 lines alphanumerical characters
AT540	Address installation tool Portable with 12V battery.




Все элементы системы подбираем с учетом условий эксплуатации оборудования.


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