Pick-to-Light System

Cableless Products

atop

- **TCP/IP architecture**

- **Streamline the order fulfillment process**

- **Increase productivity dramatically**

- **Virtually eliminate picking error**

- **Strengthen management control**

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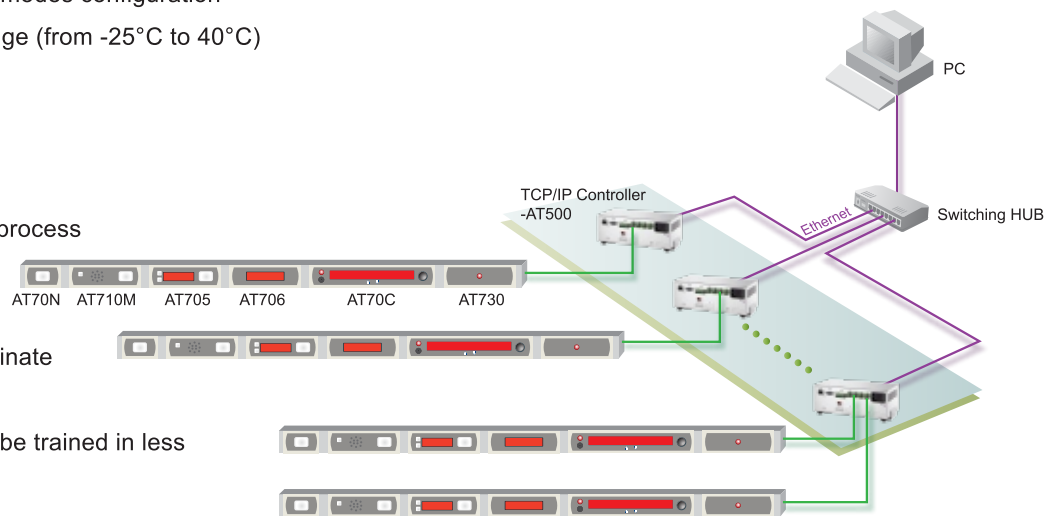# Pick-to-Light System

Cableless Products

Atop has been devoted to develop Pick-to-light products for more than 20 years. Pick-to-Light System is an advanced paperless picking system providing an innovative, streamlined and cost-effective solution to simplify the order fulfillment process in warehouses or distribution centers. Atop's Pick-to-Light System uses a state-of-the-art and light-directed technology to maximize the picking productivity, speed and accuracy in different picking operation

Features

- Ethernet architecture
- Cableless design for easy installation and highest flexibility in location arrangement on shelf.
- Versatility in different operating modes configuration
- Wide operating temperature range (from -25°C to 40°C)
- Certification : EMI, CE, FCC

Benefits

- 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

AT70N AT710M AT705 AT706 AT70C AT730

PC

TCP/IP Controller
-AT500

Ethernet

Switching HUB

Picking Strategy

Pick-to-Light System

When Pick-to-Light System is applied to the order picking environment, it enables an order picker to quickly and easily find the correct location by means of lights and LED displays. Each tag represents a product in the storage location. Besides guiding the picker to the exact location, the lights also display the precise amount ordered and requires confirmation while each item is picked.

Put-to-Light System

Put-to-Light System usually applies to the batch picking environment. It functions as Pick-to-Light in reverse. Once the items for the orders are batch picked in the warehouse and brought the Put-to-Light System. The picker will scan/input an item and all the locations that need that item will illuminate. The picker will distribute the item to each location and turn off the light.

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TCP/IP Controller

TCP/IP controller is a data transmission medium between a picking control PC and all the pick-to-light devices. Which is Ethernet architecture product, following TCP/IP communication protocol to communicate with the host PC.

AT500 has 4 output channels to connect to the picking devices, each channel can connect to a maximum 30 light modules. AT500 can connect to maximum 120 pcs of picking devices.

AT500   TCP/IP Controller

- A maximum of 120 light module (AT505) units can be connected
- 10/100Mbps Ethernet TCP/IP protocol
- Power requirements: 12V DC / 250mA
- Size: 250mm(L) x 130mm(W) x 100mm(H)
- Operating temperature: 0°C ~ 50°C

AT400 is a compact TCP/IP controller , which has only one output channel, connected capacity up to 30 light modules.

AT400 can be powered by two ways, one is using the standard power adapter with a specific DC jack DC 12V/5A/ 60W. The other way is powered by external power supply or battery with DC 12V via the 3-pin terminal block. AT400 can be considered to be the pick-to-light controller applied to a mobile system.

AT400   TCP/IP Controller

- Maximum connected to 30 lights
- 100 Mbps Ethernet TCP/IP protocol
- Power requirement, 12V DC / 5A
- Size: 108mm(L) x 132mm(W) x 33mm(H)
- Operating temperature: 0°C ~ 50°C

Operating Temperature: 0°C ~ 40°C (Forzen Model: -25°C ~ 40°C)

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AT700 Series

With our strong engineering capability, we have been moving our Pick-to-light into the latest generation with :
- Large illuminated button with 6-color LED lights, very bright and easy to locate
- Low power consumption allows for 'green' operation
- Robust and reliable button, rated for over 20 million button presses

These superior features make Atop's pick-to-light products the prime choice in automated order fulfillment solutions.

AT705(L) 5-Digit Pick Tag

- 5-digit display
- 1 illuminated confirmation button with 6-colors (Red, Green, Orange, Blue, Pink, Cyan)
- 2 up/down function keys
- Power requirements: 12V DC / 100mA
- Size: 148mm(L) x 46mm(W) x 30mm(H)
- Operating temperature: 0°C ~ 40°C (Forzen Model: -25°C ~ 40°C)

AT705A   5-Digit Directional Pick Tag

- 5-digit display
- 1 illuminated confirmation button with 6-colors (Red, Green, Orange, Blue, Pink, Cyan)
- 2 directional illuminated arrow buttons, up arrow is red, down arrow is green
- Power requirements: 12V DC / 100mA
- Size: 200mm(L) x 46mm(W) x 30mm(H)
- Operating temperature: 0°C ~ 40°C

AT705-E   5-digit Alphanumerical Display

- 1 illuminated confirmation button with 6-color LED (Red,Green,Orange, Blue, Pink, Cyan)
- 2 up/down function keys
- Power requirements: 12V DC / 100mA
- Size: Size: 148mm(L) x 46mm(W) x 30mm(H)

AT705-RFID   5-digit, Pick Tag with RFID Confirmation

- 5-digit display
- 1 illuminated confirmation button with 6-colors (Red, Green , Orange, Blue, Pink, Cyan)
- RFID reader
- 2 up/down function keys + one function key
- Power requirements: 12V DC / 100mA
- Size: 200mm(L) x 46mm(W) x 30mm(H)

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AT703(L)　　　3-Digit Pick Tag

- 3-digit display
- 1 illuminated confirmation button with 6-colors (Red, Green, Orange, Blue, Pink, Cyan)
- 2 up/down function keys
- Power requirements: 12V DC / 100mA
- Size: 148mm(L) x 46mm(W) x 30mm(H)

AT703A　　　3-Digit Directional Pick tag

- 3-digit display
- 1 illuminated confirmation button with 6-colors (Red, Green, Orange, Blue, Pink, Cyan)
- 2 directional illuminated arrow buttons, up arrow is red, down arrow is green
- Power requirements: 12V DC / 100mA
- Size: 148mm(L) x 46mm(W) x 30mm(H)

AT702(L)　　　2-Digit Pick Tag

- 2-digit display
- 1 illuminated confirmation button with 6-colors (Red, Green, Orange, Blue, Pink, Cyan)
- 2 up/down function keys
- Power requirements: 12V DC / 100mA
- Size: 100mm(L) x 46mm(W) x 30mm(H)

AT702V　　　2-Digit,Vertical & Directional Pick Tag

- Vertical pick tags
- 2-digit display, 1 illuminated confirmation button with 6-colors (Red, Green, Orange, Blue, Pink, Cyan
- 2 directional illuminated arrow buttons, right arrow is red, left arrow is green
- Power requirements: 12V DC / 100mA
- Size: 46mm(L) x 100mm(W) x 30mm(H)

AT70N(L)　　　Economic Pick Tag

- 1 illuminated confirmation button with 6-colors (Red, Green, Orange, Blue, Pink, Cyan)
- Power requirements: 12V DC / 100mA
- Size: 74mm(L) x 46mm(W) x 30mm(H)

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AT710M — Melody Completion Indicator

- 1 illuminated confirmation button with 6-colors (Red, Green, Orange, Blue, Pink, Cyan)
- 12 melody songs choosing
- Power requirements: 12V DC / 100mA
- Size: 148mm(L) x 46mm(W) x 30mm(H)

AT70D — LCD Display

- 192*32 LCD display, display 2 lines of 24 alphanumerical characters
- Display language: Alphanumerical/Traditional Chinese/Simplified Chinese/Japanese /Korean
- Power requirements: 12V DC / 200mA
- Size: 200mm(L) x 46mm(W) x 30mm(H)

AT70C(L) — 12-Digit Alphanumerical Display

- 1 confirmation button + 2 function keys
- LED indicator + buzzer
- Power requirements: 12V DC / 250mA
- Size: 260mm(L) x 46mm(W) x 30mm(H)

AT706-24-3K — 6-Digit, 2 Color Display Pick Tag

- 6-digit , 2-color 7-segment display by 2 digits with Green, 4 digits with Red
- 1 illuminated confirmation button with 6-colors (Red, Green , Orange, Blue, Pink, Cyan)
- 2 up/down function keys + 1 function key
- Power requirements: 12V DC / 100mA
- Size: 200mm(L) x 46mm(W) x 30mm(H)

AT706(L) — 6-Digit Order Display

- Power requirements: 12V DC / 100mA
- Size: 148mm(L) x 46mm(W) x 30mm(H)

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AT706E 6-digit Alphanumerical Display

- Power requirements: 12V DC / 100mA
- Size: Size: 148mm(L) x 46mm(W) x 30mm(H)

AT708 8-Digit Pick Tag

- 8-digit display
- 1 illuminated confirmation button with 6-colors (Red, Green, Orange, Blue, Pink, Cyan)
- 2 up/down function keys
- Power requirements: 12V DC / 100mA
- Size: 200mm(L) x 46mm(W) x 30mm(H)

AT708-E(L) 8-digit alphanumerical display

- 1 illuminated confirmation button with 6-color LED (Red,Green,Orange, Blue, Pink, Cyan)
- 2 up/down function keys
- Power requirements: 12V DC / 100mA
- Size: 200mm(L) x 46mm(W) x 30mm(H)
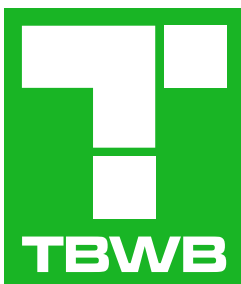
AT730(L) RS232 Converter

- 1 LED signal indicator
- Power requirements: DC5V/12V, Max: 200mA
- Output 12V, 200mA current on pin 1
- Size: 148mm(L) x 46mm(W) x 30mm(H)

AT712 DI/DO Interface

- 1 illuminated confirmation button with 6-colors (Red, Green , Orange, Blue, Pink, Cyan)
- 1 Digit Output with SSR output
- 1 Digit Input

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