

# PAGING STATION

## PS 16

### Network paging station for commercial, industrial and security applications



Master or Paging/Intercom station for use in security, paging and intercom system, targeting industrial, transportation, retail, pro audio and commercial applications.

Features a flexible gooseneck microphone, a speaker (1W), 2x24 character backlit LCD and 16 user definable push buttons, each with LED indicators all housed in an impact and break resistant ABS plastic enclosure.

TCP/IP based, VoIP and Audio over IP codecs supported, low power, high reliability, PC-FREE system design, no server needed.

Barix AG  
Seefeldstrasse 303  
CH-8008 Zürich  
Switzerland  
T +41 43 433 22 11  
F +41 44 274 28 49

Barix Technology Inc.  
2182 Helena Road  
St. Paul, MN 55128  
USA  
T (866) 815-0866  
F (209) 755-8435

[www.barix.com](http://www.barix.com)  
[info@barix.com](mailto:info@barix.com)

© Barix AG 9/2008, all rights reserved. All information is subject to change without notice. All mentioned trademarks belong to their respective owners and are used for reference only.



## Technical Specifications

### Audio Formats:

MP3 encoding up to 192 kBit VBR, MP3 decoding up to 320 kBit. G.711 and 16bit PCM at 8 to 48 kHz.

### Audio Interfaces:

Flexible gooseneck microphone (electret)  
1 Watt amplified speaker (volume adjustable)

### User and Control Interfaces:

16 push buttons, each with yellow LED indicators, can be user labeled. Extensible to up to 208 buttons by attaching extension boxes with 48 buttons each. Backlit LCD with 2x24 characters, buzzer (volume adjustable), integrated web server for configuration

### Network Interface:

2x 10/100 MBit Ethernet, one port PoE capable.  
second port used for hi-rel redundant connection technology. Supported protocols: TCP/IP, UDP, DHCP, AutoIP, SNMP, RTP, SIP

### Misc:

Two LED (yellow, green) network status indicators on each network socket, two LED (red and green) operation status indicators

### Power requirements:

24 to 60 VDC (48 VDC PoE), 10 Watt max.

### Enclosure:

ABS plastic, impact and break resistant  
Protection class: IP 30,  
Color: oyster white (RAL 1013),  
Weight: 1.1kg,  
Width, height, depth: 7.2" x 3.46" x 10.24"  
183 x 88 x 260mm

### Operating temperature:

Climate class per DIN EN 60721-3-3: 3K4  
32 to 122 Degree Fahrenheit  
0° to 50° Celsius

### Operating humidity:

0 - 70% relative humidity, noncondensing

### Certifications:

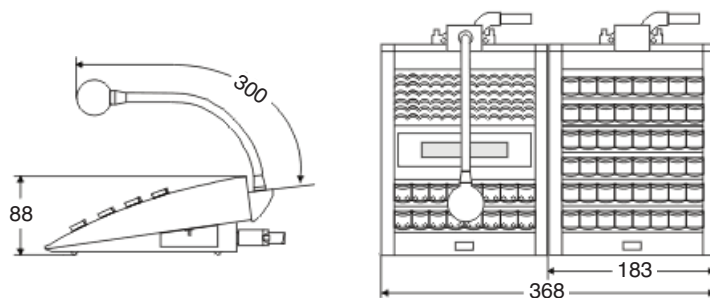
FCC B, CE B, RoHS compliant (lead free)

## Overview

The Barix Paging Station PS16 is a universal, TCP/IP connected intercom station for use in IP Intercom, Paging and VoIP applications. The PS16 directly connects to the network via a 10/100Mbps network connection, and can also be powered over the network interface (PoE, 802.3af standard). For high availability applications, a second network connection and separate power input are available.

Due to the built-in intelligence and full programmability, the station can be used as a master station for IP based intercom and paging systems, which can be built without any central servers or PCs.

The PS16 is equipped with a two-line LC display, 16 individually labelable keys with LED indicator, a professional gooseneck microphone, a speaker and a buzzer. A realtime clock (with backup battery) and flash memory for stored messages and announcements is built into the device as well. The PS16 can be extended to up to 208 keys using available key extension modules which can be attached mechanically and electrically secure.



For special applications, the PS16 can be fully programmed using the Barix ABCL language. Standard applications for use as a stored message playback device, as a Master intercom/paging station and as a SIP capable phone / intercom station are preloaded (and free of charge). Central PA/Intercom software is available from Barix free of charge, along with protocol and API documentation, enabling easy integration into proprietary solutions.

### Applications

- Paging master station for serverless IP Paging System
- TCP/IP Intercom (master) station
- Automated IP distributed announcements station
- Desktop Intercom

The Barix PS16 is an OEM product designed and manufactured by MS Neumann Elektronik ([www.neumann-elektronik.com](http://www.neumann-elektronik.com)) using the Barix IPAM 100. The Barix PS16 is not compatible with the Neumann DS-6 system and will not function with Neumann's industrial intercom applications.

For further information, detailed technical documentation and application examples please visit [www.barix.com](http://www.barix.com)