

## **Bionic Buffalo Tech Note #81: Some Well-Known Ports**

*last revised Wednesday 11 November 1998*

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### INTRODUCTION

This Tech Note lists the most common well-known ports used by Bionic Buffalo software.

Well-known ports are assigned by IANA (Internet Assigned Numbers Authority). A complete and current list of such ports is available at their web site, <http://www.iana.org>.

This document is meant to be a short, handy reference for working with our software. Unlike the IANA list, this list is sorted alphabetically by protocol name. (IANA's list is sorted numerically by port number.) It is not meant to take the place of the full list from IANA.

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### LIST OF PORTS AND PROTOCOLS

#### ACP (ALARM CLOCK PROTOCOL)

Port 2667: Alarm Clock Server

Port 2668: Alarm Clock Client

ACP is used for time services among co-operating process. For an description, see *Tech Note #36: Introduction to the Alarm Clock Protocol*.

#### DSM-CC (DIGITAL STORAGE MEDIA COMMAND & CONTROL)

Port 13818: User-Network Configuration

Port 13819: User-Network Session

Port 13820: Pass-Through

Port 13821: Download

Port 13822: Channel-Change (Switched Digital Broadcast, or SDB)

DSM-CC is used among multimedia servers and clients. It is defined by ISO/IEC 13818-6.

Note: DSM-CC defines several protocols, including those above, plus the User-User protocol. Most implementations of DSM-CC use IIOP for the User-User protocol. The port assignments for IIOP are listed below.

## HTTP (HYPERTEXT TRANSFER PROTOCOL)

Port 80: HTTP

HTTP is the common protocol used among WWW browsers and clients. The specifications can be found at the World Wide Web Consortium's site, <http://www.w3.org>.

## IIOP (INTERNET INTER-ORB PROTOCOL)

Port 535: IIOP

IIOP is the TCP/IP flavour of the protocol defined by CORBA, the Common Object Request Broker Architecture. The specifications are maintained by the Object Management Group (OMG), at <http://www.omg.org>.

## LDAP (LIGHTWEIGHT DIRECTORY ACCESS PROTOCOL)

Port 389: LDAP

LDAP is a lightweight protocol used for access to the X.500 Directory. It is defined by RFC 1777.

## NTP (NETWORK TIME PROTOCOL)

Port 123: NTP

NTP is used to distribute the current time and date. It is defined by RFC 1305. A lightweight variant, the Simple Network Time Protocol (SNTP), is defined by RFC 2030. In multicast mode, the IPv4 group address used is 224.0.1.1.

## TOAD (TRACTABLE OBJECT ADVERTISING AND DISCOVERY)

Port 2669: TOAD

TOAD is used for object advertising and discovery. A description is to be found in *Tech Note #37: Introduction to the TOAD Protocol*.