

# L920 - iManager Communications Server Appliance

## Capacity

- 10 iTurret Devices
- 120 Media Streams
- Single Site Support
- Expansion possible subject to media stream usage

## Call Types

- Telephony
- Intercom
- Hoot 'n' Holler
- Private Wires - ARD (Private Wire Automatic Ring Down) or MRD (Manual Ring Down)
- Voice Nets
- Remote Working
- Line Sharing

## Server Architecture

- iManager Communication Server (iCS)
  - Linux based 64 bit operating system
  - Integrated SIP server
  - Apache web server
  - Net SNMP Client
  - KVM (Kernel Virtual Machine)
- KVM Virtual Environment:
  - Management System (iCMS)/iManager Call Detail Service (iCDS)
  - Microsoft® Windows Server® 2008 R2 64 bit Embedded
  - Microsoft® SQL Server® 2012 Express

## Licences

- iCS
  - iCS Base Licence (iCS Base) x1
  - iCS Trunk Licence (iCS Trk) x1
  - iCS User Account Licence (iCS UAC) x5
  - iCS Shared Line Standard (iCS SLS) x5
- iCMS
  - iCMS Base Licence (iCM Base) x1
  - iCMS Device Connection Licence (iCM DCL) x5

## Network Requirements

- 2 x Network 100/1000BASE-TX (full duplex)
- IP addressing: dynamic or static

- Voice LAN: Multicast network utilisation
- IGMP and supporting SbRTP
- Other supported network protocols: Ethernet, IPv4, DHCP, TCP/IP, DNS & HTTP

## Connectivity

- SIP - RFC 3261

## VoIP Media

- Supported Codec types on the WAN: G.711 PCM 3.4KHZ A-law/U-law
- Multicast Control Channel (MCC)
- Speakerbus Trader Voice on LAN: Speakerbus Real Time Protocol (SbRTP) enhanced - 7KHZ voice bandwidth
- Typical latency over LAN 6ms (using 1ms packet sizes)
- Max Packet Loss on the LAN 5%
- Bandwidth optimisation techniques: VAD (Voice Activity Detection)
- Diffserv (RFC 2474) -Type of service field configurable

## Third Party Interoperability

- Certified Voice Logging and Recording - Nice (Cybertech), Red Box Recorders & CTI Data

## Chassis

- Colour - Black
- Gross Weight - 1.1kg

## Dimensions

- Height 40mm
- Width 190mm

- Depth 160mm

## Hardware Specifications

- Intel® CPU i3-3217UE 2 Core 1.6Ghz, 3M Cache, 1333Mhz
- 4GB Memory DDR3 1333Mhz
- 1 x 320Gb 2.5" 5400RPM SATA 3 Hard Disk
- Intel® H Graphics 4000 17W
- HDMI / DVI + DisplayPort in dual head configuration
- 2 x 1000BaseT RJ45
- 2 x USB 3.0 5 Gbps
- 2 x USB 2.0 480 Mbps (Rear)
- 4 x USB 2.0 480 Mbps (Front)
- 1 x RS232 full UART
- Country of Origin: Israel

## Power Requirements

- 12 Volt/ 5 Amp External PSU
- Voltage 100 - 240VAC nominal
- Frequency 50 - 60Hz AC

## Environmental

- Operating temperature 0°C - 50°C (32°F - 122°F)
- Relative humidity 8% - 90%, non condensing
- RoHS Compliant

