

iMCM TECHNICAL SPECIFICATION

Supported Operating Systems

- Windows 7 64 bit
- Windows Server 2008 R2 64 bit
- Windows Server 2012 R2 64 bit

Supported Browser

- Internet Explorer 9

Audio Format

- .mp3, .wav, .au, .wma, .ogg

Minimum System Requirements

Number of iProMOHs	1 – 99 Units	100+ Units
Operating System	Windows 7 64 bit	Windows Server 2008 R2 64 bit Windows Server 2012 R2 64 bit
Hardware	Dedicated Workstation	Dedicated Server
CPU	Core 2 Duo 2.4 Ghz>	Core 2 Duo 2.4 Ghz>
Memory	6 GB RAM	6 GB RAM
Storage	100GB	100GB
Infrastructure		
Bandwidth (Internet)	1.5 Mbps	1.5 Mbps
Static IP Address	1	1

Note: Windows Server is recommended if the number of iProMOH locations being managed by a single iMCM exceed 100 units.

iMCM performance is influenced by the number of end points (iProMOHs) checking in simultaneously, available bandwidth, processor performance, RAM density, frequency and file size of audio content updates. During simultaneous check-ins the host machine running iMCM will experience increased CPU load (%) and Memory usage. Delays may be experienced when CPU load surpasses 50% and/or available system memory drops below 30%.

Download Duration/Throughput Estimates

The actual download duration of moving music and message schedules depends on the minimum throughput of a multi-link chain of sequential pipes and processes. The minimum throughput link will determine the overall duration of moving files to the iProMOH. The 10 Base T connection, iProMOH Ethernet connection interface, will be used as the maximum throughput link (1.2 Mbps/150KBps). Multiple iProMOHs can update simultaneously at the maximum throughput of the device. It is expected that the typical installation would have 2.5 Mbps or greater throughput.

		Scheduled Audio	10 min (600 sec)	60 min (3600sec)	180 min (18Ksec)	300 min (18Ksec)	720 min (43.2 Ksec)
			File Size 5MB/40Mb	File Size 30 MB/ 240 Mb	File Size 90MB/ 720 Mb	File Size 150MB/ 1.2 Gb	File Size 300MB/ 2.4 Gb
Network	Est. Data Rate						
Local Network (10 Base T)	2.5 Mbps		16 sec/ 0.3 min	96 sec/ 1.6 min	288 sec/ 4.8 min	480 sec/ 8 min	960 sec/ 16 min
Local Network (10 Base T)	1.2 Mbps		16 sec/ 0.3 min	96 sec/ 1.6 min	288 sec/ 4.8 min	480 sec/ 8 min	960 sec/ 16 min
Local Network (10 Base T)	1 Mbps		40 sec/ 0.7 min	240 sec/ 4 min	720 sec/ 12 min	1200 sec/ 20 min	2400 sec/ 40 min
Local Network (10 Base T)	500 Kbps		80 sec/ 1.3 min	480 sec/ 8 min	1440 sec/ 24 min	2400 sec/ 40 min	4800 sec/ 80 min

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