MIDlet icon size

This article collates information about standard MIDlet icon sizes from several Nokia documents and from the author's own experimentation.

Official Information from Nokia

There are 2 Nokia documents that mention icon sizes:

- Using Icons in MIDlets (with Example)
- JavaTM ME Developer's Library 3.1 (The path is "JavaTM ME Developer's Library 3.1 > Implementation notes > (JSR-118) MIDP 2.1 > Runtime environment notes")

These 2 document differ in some S60 icon sizes:

Manufacturer	Series	Screensize	Icon Size (According to JavaME Dev. Library)	
Nokia	series 30		16x16	
Nokia	series 40	128x128	16x16	
Nokia	series 40	128x160	24x24	
Nokia	series 40	208x208	46x46	
Nokia	series 40	240x320	46x48	
Nokia	S60 1st/2nd	176x208	42x29	
Nokia	S60 1st/2nd	352x416	76x76	
Nokia	S60 3rd	176x208	31x31	
Nokia	S60 3rd	208x176	37x37	
Nokia	S60 3rd	208x208	53x53	37x37 According to "Using Icons in MIDlets"
Nokia	S60 3rd	320x240	48x48	52x52, 54x54 According to "Using Icons in MIDlets"
Nokia	S60 3rd	240x320	48x48	53x53, 55x55 According to "Using Icons in MIDlets"
Nokia	S60 3rd	352x416	64x64	
Nokia	S60 3rd	416x352	76x76	
Nokia	serie 80		64x50	
Nokia	serie 90	small	25x20	
Nokia	serie 90	medium/large	64x50	

The difference in the latter two is not big; I checked in a N73 (S60 3rd, 240x320) and all 3 resolutions look good because the device does not scale the icon. But the difference in the "S60 3rd 208x208" is important and I don't have one of those models to test it.

I also found one KB article Archived:Oversize MIDlet icons shown extra small in S60 2nd Edition (Known Issue) that says a Nokia 6600 has a 29x29 icon size. According to the above mentioned docs, it should have a 42x29 icon size (S60 2nd, 176x208).

Information about individual models

In order to know real life information for each device, I started testing icon sizes in all Nokia I have access to. I encourage you to add your own findings to the table. Please, add your account name, so everybody can track who is saying what.

Please, note that some devices differ from their official icon size. Some devices scale the icon, so it will look bad if you don't use the right size. For instance, in a 5200, the official icon is 24x24, but 5200 scales the icon by duplicating some lines, so it will display bad. Only the 28x29 icon was displayed without any scaling.

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Manufacturer	Model	Series	Screensize	Icon Size	Source of information
Nokia	6600	S60 2nd	176x208	29x29	According to Archived:Oversize MIDlet icons shown extra small in S60 2nd Edition (Known Issue)
Nokia	3220	series 40	128x128	16x16	Tested in a real device by AWoywood
Nokia	5200	series 40	128x160	28x29	Tested in a real device by AWoywood
Nokia	5300	series 40	240x320	46x46	Tested in a real device by AWoywood
Nokia	5310b XpressMusic	series 40	240x320	46x46	Tested in a real device by AWoywood
Nokia	6230b	series 40	128x128	16x16	Tested in a real device by AWoywood
Nokia	N70	S60 2nd	176x208	24x24	Tested in a real device by AWoywood
Nokia	N73	S60 3rd	240x320	52x52	Tested in a real device by AWoywood
Nokia	N90	S60 2nd	352x416	84x58	Tested in a real device by AWoywood

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