

**MAGNETOM Avanto**Computer System





## ■ Host Computer (MRC)

Double processor	2 x Pentium 4™/Intel Xeon™
Clock rate	≥ 3.06 GHz
Main memory (RAM)	2 GB
1st hard disk (system SW)	36 GB
2 <sup>nd</sup> hard disk (data base)	36 GB
3 <sup>rd</sup> hard disk (images)	73 GB (approx. 110,000 images, square matrix $256^2$ and $512^2$ uncompressed)
CD-R writer	approx. 4,000 images 256 <sup>2</sup> ; DICOM Standard, ISO 9660
Media drives	CD-ROM drive, Floppy disk drive

## ■ Panoramic Recon Image Processor (MRC)

Double processor       2 x Pentium 4™/Intel Xeon™         Clock rate       ≥ 3.06 GHz         Main memory (RAM)       ≥ 4 GB         1 hard disk (system SW)       18 GB         4 hard disks (raw data)       4 x 18 GB = 72 GB         Reconstruction speed       355 recons per second (256² FFT, full FoV) 3226 recons per second (256² FFT, 25 % recFoV)         Parallel Scan & Recon       Simultaneous scan and reconstruction of up to 5 data sets         Media drives       CD-ROM drive		
Main memory (RAM)≥ 4 GB1 hard disk (system SW)18 GB4 hard disks (raw data) $4 \times 18 \text{ GB} = 72 \text{ GB}$ Reconstruction speed $355 \text{ recons per second } (256^2 \text{ FFT, full FoV})$ $3226 \text{ recons per second } (256^2 \text{ FFT, 25 \% recFoV})$ Parallel Scan & ReconSimultaneous scan and reconstruction of up to 5 data sets	Double processor	2 x Pentium 4™/Intel Xeon™
1 hard disk (system SW)  4 hard disks (raw data)  4 x 18 GB = 72 GB  Reconstruction speed  355 recons per second (256² FFT, full FoV) 3226 recons per second (256² FFT, 25 % recFoV)  Parallel Scan & Recon  Simultaneous scan and reconstruction of up to 5 data sets	Clock rate	≥ 3.06 GHz
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Reconstruction speed355 recons per second (256² FFT, full FoV) 3226 recons per second (256² FFT, 25 % recFoV)Parallel Scan & ReconSimultaneous scan and reconstruction of up to 5 data sets	1 hard disk (system SW)	18 GB
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- Land Committee of the	Reconstruction speed	
Media drives CD-ROM drive	Parallel Scan & Recon	Simultaneous scan and reconstruction of up to 5 data sets
	Media drives	CD-ROM drive

## ■ MR Satellite Console (MRSC) (optional)

Double processor	2 x Pentium 4™/Intel Xeon™
Clock rate	≥ 3.06 GHz
Main memory (RAM)	2 GB
1st hard disk (system SW)	36 GB
2 <sup>nd</sup> hard disk (images)	73 GB
CD-R writer	approx. 4,000 images 256², DICOM Standard, ISO 9660
Media drives	CD-ROM drive, Floppy disk drive

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