

REQUESTING SERVICE: RADIOLOGY
SHIP TO: WAREHOUSE
V.A. Medical Center
300 VETERANS BLVD
BIG SPRING, TX 79720
REQUISITION: 519-B80006

Qty

Item Description

1

Mobilett Mira Max

Mobilett Mira Max is a versatile, high-performance digital mobile X-ray system for wireless acquisitions with a flat panel detector. For use in intensive care units, neonatal intensive care units, emergency rooms, operating rooms and directly at the patients's bedside.

Mobilett Mira Max unites a generator power of 35 kW (450 mA) with easy mobility and positioning flexibility, and is also designed for continuous availability.

The MAXswap concept allows fast detector sharing throughout our most advanced MAX radiography, fluoroscopy, and mobile X-ray portfolio.

The syngo FLC digital one-stop workflow from patient registration to image documentation offers fast and easy operation for consistent exam settings and a consistent image impression.

Following items are included in the standard delivery:

- Storage capacity: 10.000 RAD images
- DICOM Send and Print
- Diamond View Plus
- DICOM Query / Retrieve
- DICOM Worklist
- CD / DVD recorder

1

Integrated dose area product

Integrated DAP meter to measure the dose area product of an exposure.

1

MAX wi-D

Leightweight mobile, wireless 35 cm x 43 cm (14" x 17") detector with handle for comfortable and safe handling. The detector can be used with all other MAX systems based on the MAXswap feature.

1

Snap-on grid MAX wi-D 5/85 F115

Highly selective clip-on anti-scatter grid to reduce scatter radiation for free acquisitions with MAX wi-D.

1

WLAN detector US

Integrated WLAN access point for operating the MAX wi-D and MAX mini detector.

Qt	Item Description
1	<p>Hospital WLAN US</p> <p>Industrial-strength wireless connection to the hospital network (RIS / PACS)</p>
1	<p>Security Package / HIPAA</p> <p>Software extension for workplaces enabling enhanced security features including user management and audit trail functionality.</p>
1	<p>Storage accessories Mira</p> <p>Safely store pens, markers, a cup and a standard, round 5 inch container e.g. for disinfectant wipes on top of the unit.</p>
1	<p>Addit Set Accompanying Documents</p> <p>One set of accompanying documents is included with the system. This option is only for customers that require more than one set of documents.</p>
1	<p>Additional Set of operator manuals</p> <p>One set of manuals is included with the system. This option is only for customers that require more than one set of system manuals.</p>
1	<p>Initial onsite trng 24 hrs</p> <p>Up to (24) hours of on-site clinical education training, scheduled consecutively during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.</p>
1	<p>teampalay Welcome & Registration Package</p> <p>teampalay is a cloud-based network that brings together your imaging modality users, the systems' dose and utilization data, and the users' expertise to help you improve the delivery of care to your patients. Basic features are provided free of charge. Premium features (benchmarking, non-Siemens devices) are provided on a trial basis for three months at no charge, and may be used thereafter on a subscription fee basis.</p> <p>To register: http://teampalay.siemens.com/#/institutionRegistration/1</p>

Incidental Services for Mobilett Mira Max on Quote Nr. 1-MS6Q9T Rev. 0

One complimentary biomedical tuition is included with the purchase of this system. This training must be completed before the end of the warranty period.

This educational offering must be completed by the later of (12) months from purchase of training or if applicable, completion of installation. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.

Offset Part 14404888 additional set of operator manuals

Offset Part 14404887 additional set of accompanying Documents (

Offset SPC_INITIAL_24 Initial onsite trng 24 hrs ()

OPTIONS

Qty	Item Description
1	High-power system battery 90Ah Alternative set of batteries with extended capacity, for more acquisitions in battery mode and enhanced mobility.
1	MAX mini Mobile, wireless flat detector sized for cassette format 24 cm x 30 cm (12" x 9"), for orthopedic, pediatric, and trauma acquisitions. Especially fits into incubator trays. The detector can be used with all other MAX systems based on the feature MAXswap.
1	MAX wi-D / MAX mini charger Charges the replacement batteries for the MAX mini and MAX wi-D detectors. Note: The MAX mini battery can only be charged with this charger.
1	MAX wi-D / MAX battery Additional spare battery for MAX wi-D and/or MAX mini detectors for high demands on patient volume in free exposures, and ensured detector availability.

Detailed Technical Specifications

Description

X-ray system, basic unit

Mira Max base unit

- Highly compact design of 113 x 59.5 x 157 cm (L x W x H)
- 375 kg system weight (without options)

X-ray generation

- Microprocessor-controlled high-frequency generator with single tank tube unit, multipulse voltage waveform
- High generator output with hybrid power technology
- 35 kW at 96 kV 10 ms
- 30 kW at 102 kV 100 ms according to IEC 601-2-7/1987
- Maximum tube current: 450 mA
- kV range: 40 kV to 133 kV
- mAs range: 0.32 mAs to 360 mAs (battery mode)
- Shortest exposure time: 1 ms
- Manual multileaf collimator with light localizer integrated in the tube assembly housing (LED, at least 180 lux with an SID of 1 m)
- Exposure via switch (5 m cable length) or infrared control (option)

Imaging system

- High-performance PC with 17" flat panel display and syngo FLC user interface
- Pre-set organ programs containing generator and image processing parameters for a broad range of examinations, adaptable to customer needs
- DiamondView Plus, an enhanced multiscale post-processing method for improved contrast detail and reduced image noise
- Image processing functions: Degree-wise image rotation, zoom, pan, flip horizontal / vertical, windowing, cropping (automatic / rectangle / 4-point), filters for edge enhancement and noise reduction, image label and text addition, distance and angle measurement
- Image preview: 3-5 s, fully rendered image in less than 10 s
- Comprehensive DICOM functionality (Send, Modality Worklist/MPPS, Storage Commitment, Print) – please see DICOM Conformance Statement for binding specifications
- Network connection via LAN (optional: WLAN)
- CD/DVD writer and 2 external USB ports for data import / export

MAXreach

- Four-axis counterbalanced tube arm design with 213.5 cm SID and 124.5 cm horizontal extension
- Lateral arm rotation of +/- 90 degrees
- Exceptional positioning flexibility
- Fully integrated cables

Mobility

- Ergonomic drive handle for effortless maneuvering
- Smartly designed detector holder offering large foot space
- Motor-assisted driving
- Reduced speed for fine positioning operated from the tube support arm (micro inch mover).

Description

Always ready by design

- Automatic recharging of MAX wi-D in the detector holder
- If batteries are depleted, immediate X-ray generation via mains possible
- Allows manual movement in case batteries are depleted
- Switch to analog mode possible in case detectors are not available

Security mechanisms

- Secure system access via numeric keypad (optional: hardware key)
- Easy lock function for preventing access to patient data, motor function, and X-ray release – and seamless resumption of work upon return, as the system is not turned off while being locked

MAXswap

- MAXswap is the right way to share, allowing you to swap detectors between multiple systems so you always have the right detector when and where you need it
- Easy one-click registration
- Works with for MAX wi-D and MAX mini

Siemens Remote Service

- Prepared for optional Siemens Remote Service SRS™ (exclusively with service contract):
 - Hardware and software remote diagnosis
 - System remote configuration
 - Remote application support

The measured dose value is displayed on screen and part of the DICOM image and dose information sent to the PACS. The measurement chamber is mounted at the collimator. Dose resolution is 0.01 μGym^2 .

Mobile, wireless flat detector (MAX wi-D) for image acquisition, CsI scintillator, amorphous silicon (a-Si).

- Detector acquisition matrix approx. 2872 x 2354
- Pixel size 148 μm
- Acquisition depth (gray scales) 16 bit.
- Acquisition formats up to 34.9 cm x 42.5 cm (13.7" x 17").
- Thickness: 19 mm
- Detector weight: 3 kg
- Max. load 150 kg (patient lying down) and 100 kg (patient standing)
- MAX wi-D - 1 battery
- Data transfer via W-LAN.

Operation time:

- At least 525 images
- Min. 3.5 hours under normal load
- Min. 6 hours in standby mode

Technical details:

- Grid ratio 5:1, 85 lines/cm.
- Grid focusing for source-image distance (SID) of 115 cm (45")
- Dimensions (W x H x D): 472.1 mm x 410.1 mm x 28.4 mm (18.58"x 16.14"x 1.1")
- Weight: 1.1 kg (2.4 lbs)

Dedicated, closed and WPA2 encrypted connection between wireless detector(s) and imaging system.

Description

Technical details:

- Supported WLAN standards: 802.11 a/b/e/g/h/i/n
- Supported Frequency bands: 2.4 / 5 GHz
- Security / Authentication: 802.11 i, 802.1x, WPA/WPA2. WPA2 Enterprise supplicants EAP-TLS, EAP-TTLS (MSCHAPv2), EAP-PEAP (MSCHAPv2). Supports certificates and private key upload / storage (multiple)
- Data encryption: TKIP, AES

This SW license enables the Workplace System to support enhanced user and system management, including:

- user authentication to prohibit unauthorized access
- privileges to define user/role based functionality
- permissions to control data access
- audit trails to log system and data access

Technical details:

- 90 Ah, i.e. 40% more capacity compared to standard battery set
- max. 270 acquisitions at 70 kV / 20 mAs
- max. stand-by time of 16 hrs. when switched on
- System weight with enhanced battery pack approx. 395 kg (additional weight: approx. 20kg)

Mobile, wireless flat detector (MAX mini) for image acquisition, CsI scintillator, amorphous silicon (a-Si).

- Detector acquisition matrix approx. 1538 x 1920
- Pixel size 148 µm
- Acquisition depth (gray scales) 16 bit
- Acquisition formats up to 28.4 cm x 22.8 cm (11.2" x 9")
- Thickness 16 mm
- Data transfer via W-LAN
- Operation time:
 - At least 525 images
 - Min. 3.5 hours under normal load
 - Min. 6 hours in standby mode
- Detector weight 1.6 kg
- Max. load 150 kg (patient lying down) and 100 kg (patient standing)
- With MAX mini - 1 battery

Space for 3 batteries, with LED indicator for charge status. The charger connects to a wall socket using a power cord.

This price book item includes the following components:

- 1x battery charger
- 1x power supply
- 1x battery

Can be charged either together with the MAX wi-D in system charging trays (e.g. Mobilett Mira detector holder), or separately in an external battery charger (available option).