



UT4800

Central Monitoring System

- Real-time display of monitored parameters and waveforms
- Dual Display capability
- Connectivity and alarming for up to 64 beds (max. 32 shown on dual displays)
- Flexible bed layouts
- Special monitoring view (bed view)
- Ethernet and Serial port communications
- Powerful data recall and analysis capabilities

Information Display

- Parameters: Select from those available at the connected monitor including:
HR, ST, RR, NIBP, SpO₂, PR, 2xTEMP, EtCO₂, InCO₂
- Waveforms: Select from the those monitored at the connected monitor including:
ECG (up to 7 leads), RESP, SpO₂, 2xIBP, CO₂, NIBP table
- Bed Layout: Simultaneous single screen display of up to 16 patient monitors per screen
Maximum 32 patient monitors shown on dual displays
Multi-page layout of up to 64 patient monitors
User-Configurable layout
- Alarms: Three grades of alarms
Audible and visual alarms
Automatic storage of alarm information for review

Data Review & Analysis

- 240-hours of ECG waveform (1 lead)
- Trend data review for all parameters
- 3000 alarm event information
- 3000 NIBP readings
- Data storage and management of information for up to 20,000 patients (requires separate setup configuration)

Printed Reports

- Trend and alarm recall printing
- ECG recall printing
- Drug dose calculation and titration report
- Hemodynamic calculation report

Software Configurations

Standard Configuration: 16-bed, Single display support
Optional Configurations:

- 8-bed, Single display support
- Dual display support*
- 32-bed (requires Dual display support option)
- 64-bed (requires Dual display support option)
- 8-bed Serial port communication equipment**
- 16-bed Serial port communication equipment**
- 32-bed Serial port communication equipment** (requires Dual display support option)

* Includes Dual Display graphics card- displays sourced separately
** Serial Port communication equipment must be ordered from Goldway

Languages

English, Chinese, Polish, Turkish, Italian, French, Russian, Spanish, Portuguese, Czech, German, Dutch, Swedish, Romanian, Danish, Norwegian, Hungarian

The UT4800 Central Monitoring System is sold as a software solution only. The following components¹ must be sourced separately according to the following specifications:

PC Host Specifications

- Manufacturer: HP or Dell desktop
- Operating System: Windows XP
Windows Home Basic
Windows Professional
- USB 2.0 ports: ≥ 6
- LAN port: 1
- Internal audio: PC speaker
- Processor: Intel® Pentium® dual Core 2.0 GHz or faster
- Memory: ≥ 1 GB RAM
- Network: 10/100Mbps LAN support
RJ-45 Ethernet connector
- Video Interface: VGA
- Video Memory: ≥ 128 MB
- Internal Drive: ≥ 160 GB 7200 rpm
- CD/DVD: ≥ 52X
- PCI Slots: ≥ 2
- PCI Express_x16 Slots: ≥ 1
- Mouse: USB or PS2 connection
- Keyboard: USB or PS2 connection

* Windows Vista is not supported



Single Bed View



Trend Review

Display Specifications

Type:	LCD active matrix flat panel display (TFT)
Viewable size:	17-inch diagonal (standard) or larger
Aspect Ratio:	4:3
Resolution:	1280 x 1024
Refresh rate:	75 Hz
Response time:	≤ 5 ms
Contrast ratio:	800:1
External connections	VGA, 15-pin

Printer specifications

Print method:	Laser
Connectivity:	USB 2.0 or network
Paper sizes supported:	A4
Resolution:	600x600 DPI or higher
Print speed:	15 PPM or higher
Duplex printing:	Manual
Maximum duty cycle:	5000 pages per month

Uninterruptible Power Supply (UPS) Specifications (optional)

Power protection type:	UPS battery backup
Input voltage:	110V 240V
Output frequency regulation:	50/60 Hz ± 1 Hz
Outlets:	≥ 2
Volt Amps:	≥ 500 VA/300 Watt

Network Specifications

Wired Network

Ethernet LAN Communication

Protocol:	IEEE 802.3u
Transmission rate:	≥ 10MB/s
Network cable:	UTP 5 twisted pair

Network Switch

Protocol:	IEEE 802.3u or higher
Transmission rate:	10/100 MB/s or higher
Supporting ports:	Number of beds plus one

Serial Port Communication**

Protocol:	RS-422
Number of ports:	8-32
Baud rate:	50bps to 460.8Kbps
Network cable:	5-wire shielded cable with optical isolation
Connectors:	DB9, DB25
Opto-electronic isolation:	500V

** Serial Port communication equipment must be ordered from Goldway

Safety Standards

- IEC 60601-1-1
- EN IEC 60601-1-4
- EN IEC 60601-1-6
- EN IEC 60601-1-8
- EN IEC 62304

¹ All hardware must carry CE marking if required by country



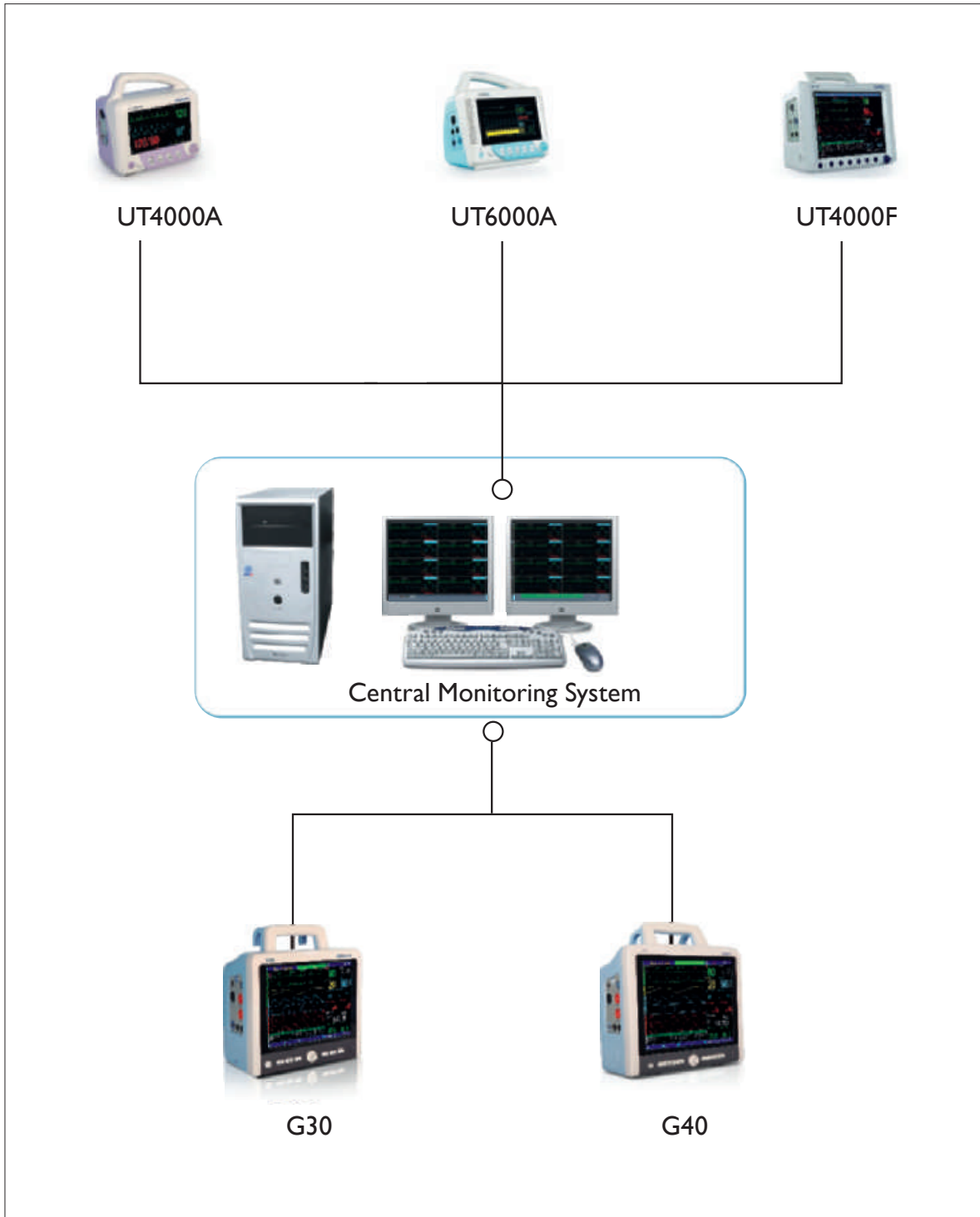
Drug Dose Calculation



ECG Recall



Special Monitoring (Bed View)



Network Diagram

Specifications subject to change without notice.

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