

QMS250i

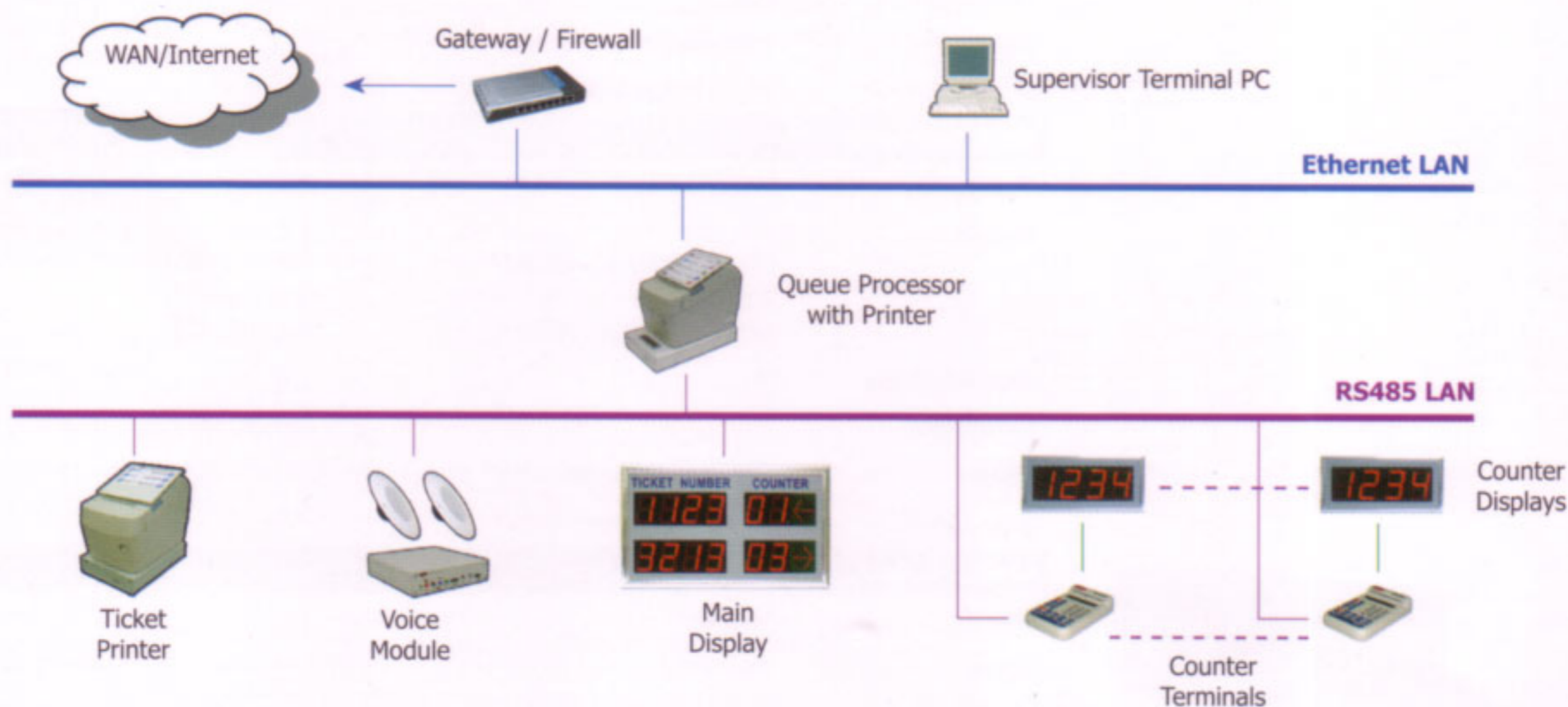
Advanced Queue Management System

QMS250i is an advanced queue management system incorporating new embedded system technologies. Its powerful queue engine handles all requirements – both straightforward and complex ones – of customer queues at service counters or service rooms. Data are captured and stored in flash memories making QMS250i a better fault tolerant system. Wireless technology is used to minimize cabling requirement – a desirable feature especially for existing sites where additional cabling is difficult.

Reports are generated on the ticket printer whenever required or at the end of a session. Queue data and system log may be transferred to a PC for further analysis, elaborate branch reporting or corporate statistical reporting.



QMS250i features a web server making the system accessible not only to supervisors and managers at a branch, but also to authorized personnel at headquarters or other remote Internet sites.



Main Features

- Embedded system design with integrated ticket printer
- Web based technology
- Multiple services
- Configurable counter services
- Primary & secondary services
- Programmable session time
- Daily and monthly reports
- Branch report generator & corporate report generator
- Supervisor terminal PC
- Fast thermal ticket printer (200 mm/s)
- Low running cost with non-proprietary thermal paper that supports multi-part tickets
- Sophisticated counter terminals
- 7-segment & dot-matrix counter and main displays supporting multiple languages
- Voice module with MP3 quality for announcement
- Modular & scalable design
- Automatic recall of stored numbers
- Battery backup for real time clock and queue data
- Transfer ticket to other service or counter
- **Queue functions:-**
NEXT, CALL, TRANSFER, STORE, RECALL, DONE, USER ID, CHIME, ALERTS, PROGRAMMABLE FUNCTIONS



QMS250i Components

- QP250 Queue Processor with Printer
- TP400 Thermal Ticket Printer (additional)
- CT250 Counter Terminal
- CD423/440 Counter Display
- SCD423/440 Shared Counter Display
- RCD423/440 Remote Counter Display
- RCDM425/440 Remote Counter Display Matrix
- MD1423/2423/3423 Main Display
- MD1440/2440/3440 Main Display
- AD1425/2425/3425 Advanced Display
- AD1440/2440/3440 Advanced Display
- VM400 Voice Module
- RD100 Recall Display
- PS8/16 Power Supply Hub
- Report Manager Software
- Supervisor Terminal PC
- WT24 Wireless Transceiver



QMS250i Technical Specifications

Queue Processor

Controller	Microcontroller with embedded web server
Display	1 line, 16-character, 5x7 dot matrix LCD
Memory	512 KB Flash, 512 KB SRAM (battery backup)
Data Interface	10 Base-T Ethernet and RS485 (surge protected)
Real Time Clock	Integrated, CR2032 lithium battery

Ticket Printer

Model	TP400
Type	Line thermal printer with auto cutter and paper end detector
Service Buttons	Up to 10
Ticket Format	Large number font, variable length, multi-language, programmable logo, multi-line messages and 2-part option
Thermal Paper	80 mm width, low cost, non-proprietary, 2-colour (optional)
Paper Loading	Drop-in style
Paper Roll	Ø 103 mm (max.)
Print Speed	200 mm/s
Auto Cutter Life	1.2 million cuts
Print Head Life	Wear resistance of 150 km or pulse resistance of 1.5×10^8 pulses

Counter Terminal

Display	1 line, 16-character, 5x7 dot matrix LCD
Keys	Numeric (0 – 9) and 19 function keys
Data Interface	RS485 (surge protected)
Display Port	Yes

Counter Displays

Types	7-segment LED, 4-digit	Dot-matrix LED, 16x64 dots
Models	2.3" LED CD423, RCD423, SCD423 4.0" LED CD440, RCD440, SCD440	2.5" LED RCDM425 4.7" LED RCDM440
Languages	N.A.	English, Chinese, Arabic, Farsi
Chime	Integrated, electronic type	
Data Interface	RS485 (surge protected)	

Main Displays

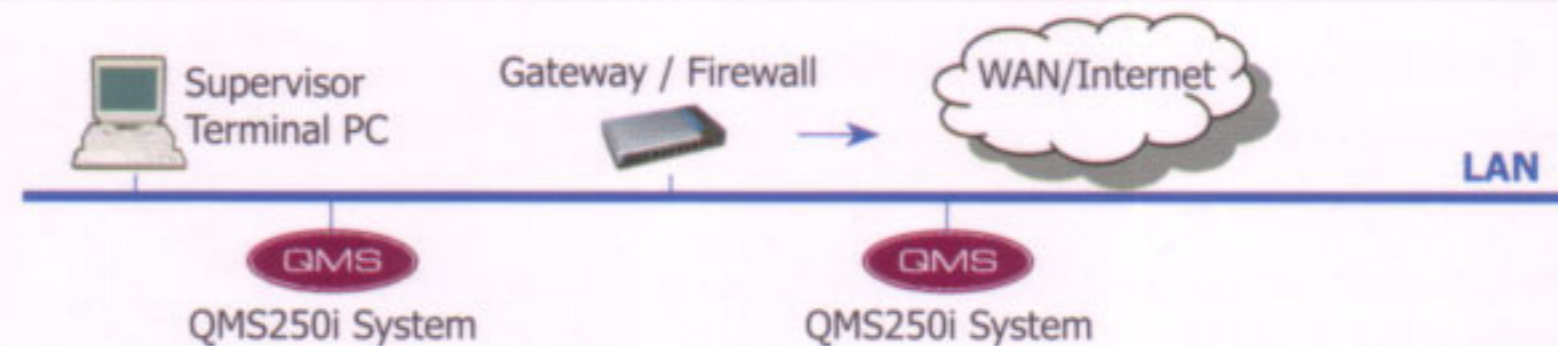
Types	7-segment LED	Dot-matrix LED, 16x128 dots
Models	2.3" LED MD1423, MD2423, MD3423 4.0" LED MD1440, MD2440, MD3440	2.5" LED AD1425, AD2425, AD3425 4.7" LED AD1440, AD2440, AD3440
Text Messages	No	Yes
Languages	N.A.	English, Chinese, Vietnamese, Arabic, Farsi
Chime	Integrated, electronic type	
Data Interface	RS485 (surge protected)	

Voice Module

Model	VM400
Types	WAV, MP3
Peak Output Power	2 X 10 W, 8 Ohm speakers
Languages	Malay, English, Chinese, Vietnamese, Arabic, Farsi
Data Interface	RS485 (surge protected)

Power Supply Hubs

Models	PS8	PS16
Type	Switching power supply	
Ratings	12 V/2.5 A	12 V/8.5 A
Ports	8 x RJ45 sockets	16 x RJ45 sockets
Surge Protection	Yes	
Input Voltage	AC 100 V or 240 V	



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