

11"x17"/A3 OUTPUT,  
600 DPI CAPABILITY



# The QMS 860 Print System

The QMS® 860 Print System supports 600 dpi resolution for the highest quality output, and offers the flexibility to print on paper sizes as large as 11"x17"/A3. It also provides direct connectivity to all popular networks. Everything to make the QMS 860 the best price/performance printer available.

At the heart of the 860 is QMS Crown™

architecture. This unique combination of hardware and software gives the printer superior throughput, greater networkability, and many advanced features that distinguish it from the competition.

The QMS 860 Print System. The first affordable way to get 600 dpi, 11"x17"/A3 printing with all the network connectivity you'll need.



## SPECIFICATIONS

### FEATURES AND BENEFITS

- 11" x 17"/A3 printing capabilities give users more flexibility in page layout and design.
- 600 DPI resolution supports printing of PostScript® and HP-GL emulations. This higher resolution produces extremely clean output that can be used as camera-ready originals or as accurate prepress proofs.
- The QMS 860 offers the capabilities of PostScript Level 1 and Level 2, giving it the same features and functionality offered by Adobe's "second generation" of PostScript software.
- An Intel® 80960CA RISC-based internal controller, running at 25 MHz and utilizing proprietary QMS Crown™ technology, processes PostScript files at speeds unsurpassed by other printers in its class.
- Standard and optional interfaces provide compatibility with PCs, Macintosh® computers, UNIX® workstations, DEC® systems, and IBM® mainframes.
- Emulation Sensing Processor† (ESP) technology, which works with most popular commercially-available applications, analyzes incoming file data from any of the printer's interfaces, and selects the appropriate printer language from those installed on the printer.

### RESIDENT TYPEFACES

Times\*\* Helvetica Condensed  
 Helvetica\*\* Helvetica Narrow\*  
 Courier\*\* ITC Bookman® Light\*  
 Palatino\*\*  
 New Century Schoolbook\*  
 ITC Avant Garde® Gothic Book\*  
 ITC Zapf Chancery® Medium Italic  
 σμβολ (Symbol Set)  
 ●●●●●●●● (ITC Zapf Dingbats®)

\*Includes Regular, Italic, Bold, and Bold Italic type styles.

### TECHNICAL SPECIFICATIONS

#### PRINT ENGINE

- Print Method – Electrophotographic recording with semiconductor laser. Dry toner, image transfer to paper.
- Resolution – Standard 12 MB RAM supports printing at 600 x 600 dots per inch on all paper sizes.
- Toner – Single component, dry toner.
- Toner Cartridge Life – 6,000 pages at normal (4%) coverage.
- Warm-up Time – Less than 90 seconds.
- Recommended Duty Cycle – 10,000 prints per month.

- Print Speed – Up to 8 pages per minute using letter/A4 paper; up to 4.6 pages per minute using ledger/A3 paper.

#### CONTROLLER

- Type – Intel 80960CA RISC-based controller operating at 25 MHz and utilizing QMS Crown technology.
- Memory – 12 MB RAM, 4 MB ROM standard.
- RAM Upgrades (optional) – 4 and 8 MB SIMMs increase printer memory up to 32 MB.
- QMS SCSI Hard Drives (optional) – 20 and 45 MB external hard drives expand the printer's spooling and font cache capabilities and provide permanent storage of downloadable typefaces, emulations, and programs.
- Printer Emulations – PostScript Level 1, PostScript Level 2, HP PCL® Level 4 and HP-GL 7475A/7550A. LN03™ PLUS emulation is provided with the DECnet® interface option.
- Emulation Sensing Processor (ESP) Technology.
- Graphics – Standard memory provides up to a full ledger/A3-size page bitmapped at 600 x 600 dpi.
- Typefaces – 39 licensed, resident typefaces for PostScript language printing. Adobe's PostScript Type 1 downloadable typefaces are supported. All these typefaces have multilingual character sets. The standard HP® fonts resident on the HP LaserJet IIP are also included for the HP PCL emulation.
- Two Cartridge Slots – Accommodate optional plug-in cartridges for additional typefaces and emulations.

#### INTERFACES

- Standard Interfaces – LocalTalk™, RS-232C serial, and Centronics® parallel interfaces. The printer is equipped with an external SCSI port that supports up to seven hard disks.
- Simultaneous Interface Operation (SIO) – Allows all of the printer's interfaces, standard and optional, to receive data simultaneously.
- Optional Interfaces – Provide direct connectivity to Ethernet, supporting DECnet and TCP/IP protocols concurrently or any one of the following protocols: TCP/IP, EtherTalk™, and NetWare®. An optional Token-Ring interface also supports the NetWare protocol.

#### PAPER HANDLING

- Paper Sizes Supported – Letter, legal, ledger, A4, B4, A3, A5, B5, A6, B6, Executive, and Universal.
- Special Stocks – Printer can handle approved envelopes, label stock, and transparency film.
- Paper Weights – 16 to 36 lbs. (60 to 135 g/m²).
- Standard Paper Input – 250-sheet paper cassette and a 100-sheet multi-purpose tray.
- Optional Paper Input – An optional paper feeder allows the addition of a 250-sheet paper cassette. When used with a cassette supporter, the paper feeder supports a 500-sheet letter/A4-size paper cassette.
- Paper Output – 250 sheets maximum, facedown.
- Automatic Jam Recovery – Printer automatically reprints jammed pages.

#### PHYSICAL

- Type – Laser printer with internal controller.
- Dimensions – (W x D x H)  
18.07" x 20.55" x 11.81"  
(459 mm x 522 mm x 300 mm)
- Weight – 50 lbs. (22.68 kg).
- Warranty – One year, return-to-factory.

#### ELECTRICAL

- Power Requirements – 90 to 130 VAC, 48-62 Hz; or 200 to 260 VAC, 50 Hz.
- Power Consumption – 650 VA maximum.

#### ENVIRONMENT

- Temperature – 50° to 90° F (10° to 32° C).
- Humidity – 20% to 80% RH (operating).
- Noise Level – Not more than 49 dB (A).

#### REGULATORY/

#### SAFETY CONFORMITY

- FCC-A and VFG 1046 regulatory.
- UL, CSA and TUV/GS safety approvals.

Specifications subject to change without notification.  
 †patent pending



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