Muratec
F-160

- 33.6 Kbps modem, JBIG compression •
- 2.8-second transmission speeds •
- 8-page-per-minute laser printing •
- Muratec FaxRISC™ processor •
- QuadAccess™ capabilities •
- Muratec's ImageLSI technology •

Finally. A machine that works like you do.

Fast. Cost-conscious. Reliable. Customizable. See what the F-160 can do for your office.

A machine that works like you do.

Finally, you've found a machine with a work ethic as diligent as your own. 2.8-second-per-page transmission speeds. 8-page-per-minute laser printing. Customizable Soft Keys to fit the way you work. And the scaleability to match your office needs.

See what the Muratec F-160 can do for your office. Contact your Muratec dealer directly for a free demo.

The F-160 at a glance

- *33.6 Kbps modem*
- *JBIG compression*
- *2.8-second transmission*
- *1.7-second quick scan*
- *256-level grayscale*
- *140-page standard memory*
- *16MB maximum memory, for 1,260 pages of document storage*
- *8-page-per-minute laser printing*
- *ITU-T Hyperfine (406 x 392 lpi)*
- *650-page paper capacity*
- *PC and network printing option*
- *Dual-line option for simultaneous sending and receiving of faxes*
- *50-sheet document feeder*
- *200-number autodialer*
- *99 delayed commands*
- *Plus Muratec's signature features:*
  - *QuadAccess™*
  - *FaxRISC™*
  - *Custom Soft Keys*
  - *Copy & Fax feature*
  - *Quick On-line Transmission*
  - *ImageLSI technology*

muratec™
The Fax Specialists.

Customizable to fit the way you work

No matter how you work, you can tailor your F-160 to fit. You'll send faxes with speed, security and ease with the F-160's standard, customizable features, including:

QUICK MEMORY TRANSMISSION

Security, speed, power. That's what the F-160's Quick Memory transmission gives you. Your documents scan into memory at a blazing 1.7-seconds per page, while at the same time the machine begins dialing, all the while continuing to scan the remaining pages of your document. Hear the call, see your pages scanned, and rely on the powerful, spacious memory to do the rest.

SOFT KEYS

Use these "shortcut keys" to save time throughout the day. The F-160's Soft Keys let you turn functions on and off with the press of a button. The best part is that you decide which functions should be programmed into your Soft Keys. Customize these keys to match your office demands.

BATCH TRANSMISSIONS

Save time and money by taking advantage of the F-160's batch transmission feature. If you have multiple documents to send to one person, store those documents in the F-160's memory throughout the day, using a batch box. At the end of the day, press a button to fax those batch box documents. Simple and reliable.

DAYLIGHT SAVINGS TIME

Never worry about the time change again. With the F-160's DST feature activated, it automatically adjusts for Daylight Savings Time and standard time. Uninterrupted, worry-free work for you. Just a day at the office for the F-160.

COPY & FAX

Spend less time walking to the copy machine and more time using your F-160 as a convenience copier with the Copy & Fax feature. Each time you quick-scan a document to send a fax, the F-160 is smart enough to ask if you want to make a copy of it, right at the fax machine. With the click of a button, the F-160 makes a copy while at the same time it faxes your document. And because of Muratec's FaxRISC and QuadAccess, the machine won't slow down. Convenient, smart and powerful.

PAGE NUMBERING AND CONFIRMATION STAMP

Reliability with every fax. Each time you fax a multi-page document, send it knowing that each page will be read in the correct order. The F-160's page numbering feature tags every page with a number, so the recipient knows exactly how many pages are supposed to be received and in what order. And with the confirmation stamp activated, each page you quick-scan for memory transmission will be marked to let you know the F-160 has read it and will send it. Muratec innovation. Your advantage.

MULTI-LANGUAGE DISPLAYS AND REPORTS

Truly customizable for your office's efficiency. If your office is multinational, the F-160 can be, too. Its LCD "speaks" 4 different languages, letting your office operate at optimum efficiency. Choose from English, French, Spanish and German LCD displays.

DEPARTMENT CODES

Track fax usage throughout your office. With the department code feature, each department enters its own code before long-distance calls can be made. It makes tracking fax usage easy and efficient.

Scaleable to match your office needs

MEMORY

What it is – Your machine's memory is its brain capacity. The more memory you put into your machine, the bigger its brain will be to help you work.

Why you need it – Quite simply, the more memory your machine has, the more it can remember. Up to 1,260 pages can be stored into the F-160's memory for delayed transmissions, batch faxing and more. With increased memory, the F-160 can keep pace with even your most demanding workload.

Expanded Memory   Standard Memory
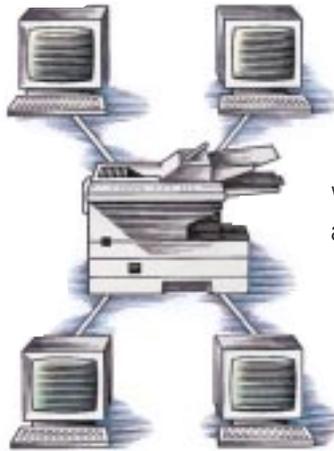
LASER PRINTER

With the addition of the WP-300, your F-160 becomes an 8-page-per-minute, 600 x 600 dpi laser printer. Save space with one machine, save time and shorten your walk to the shared office printer.

NETWORK LASER PRINTER

Just add an Axis™ 540+ print server or other compatible print server to the WP-300 and the F-160 becomes a networked laser printer, accessible to an entire office workgroup running Windows®.

PC SCANNER AND FAX

Your F-160 is much more than just a stand-alone fax. With an optional serial interface, you can turn your fax machine into a scanner and fax for a single PC or your entire network. Scan images into your computer, send faxes directly from your PC without printing out copies first, or even receive faxes directly into your computer. Take advantage of the F-160's multifunctional capabilities.

More Features

SECOND LINE

Add a second phone line to your F-160 and get all the benefits of two fax machines: Dedicate one line to sending faxes and one line to receiving faxes. Or set up both lines to send and receive simultaneously. Twice the work packed into one mighty machine.

PAGE COUNTER

Track your printing and the incoming fax volume in your office with the addition of a page counter.

CUSTOM FAX CABINET

Built to suit the F-160 and your office, use the cabinet to store extra paper, phone books and additional supplies.

TELEPHONE HANDSET

Use your fax machine as both a phone and a fax when you add a handset.

See the Speed

33.6 + JBIG

The Muratec F-160 combines its blazing 33.6 Kbps modem with JBIG, a compression method designed to make your faxes transmit even faster than with traditional compression schemes.
33.6 + JBIG = 2.8 seconds per page

1.7-SECOND QUICK SCAN

Scan your document for memory transmission in less than 2 seconds per page.

8-PAGE-PER-MINUTE PRINTING

Ideal as a high-volume fax and a networkable printer, the Muratec F-160 powers out eight laser-printed pages per minute, for more faxes, more copies, more printouts and more productivity throughout your workday.

QuadAccess™

No matter what you're doing, with the F-160, you can do it faster. That's because the F-160 is equipped with Muratec's QuadAccess, a technology that allows you to do four things or more at once. Just try it: send a fax, scan a document for memory transmission, print a report and program the machine – all at the same time.

FaxRISC™

The strength behind the machine's performance, FaxRISC is Muratec's advanced, 32-bit processor that powers the F-160. No matter what function you choose on the F-160 – scanning, laser printing or fax transmissions – with Muratec's FaxRISC, the F-160 always operates at peak levels.

Experience the reliability

INDUSTRY RECOMMENDATIONS

The F-160 joins a Muratec family of industry-recommended fax machines. In fact, Muratec's current product line boasts more awards and industry recognition than any other. With such a reputation, you can be assured consistency, quality and performance.

MURATEC ImageLSI

ImageLSI technology builds Muratec's more than 25 years of image handling experience into a custom LSI (large-scale integrated circuit). The result is better image quality in a variety of demanding applications, including improved text characteristics in normal and fine fax resolutions.

Muratec's ImageLSI image engine performs a pixel-by-pixel image analysis of faxed and copied pages. It features adaptive image processing, providing better results on pages with mixed text, line art and grayscale images. The ImageLSI is also used in the F-160's high-speed scanning, providing 1.7-second scan speed for letter-sized images.

SPEED + SAVINGS

9600	14400	33.6 JBIG
■ Handshake	■ Fax Page	■ Retrain
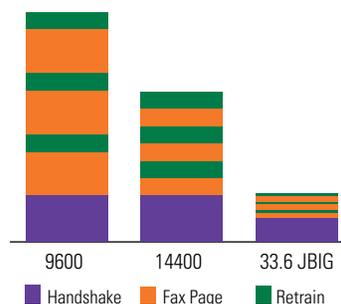
The F-160 with JBIG saves time in all three phases of a fax transmission, so your calls are shorter: two-thirds or more faster than comparable calls

Enjoy the savings

All of Muratec's state-of-the-art technology adds up to savings for you. Here's how:

33.6 VS. 14.4 KBPS

The combination of high-speed 33.6 Kbps transmission, fast modem hand-shaking and JBIG compression cuts your phone bills significantly compared to using a standard 14.4 Kbps modem. A document that takes 6 seconds per page with a 14.4 Kbps modem takes just 2.8 seconds using the F-160.

Faxing from the F-160 can save even more when you are sending photographs and other complicated images. Here's why: JBIG is an advanced compression scheme that takes your document, squeezes it into a very small data "package" and transmits it to the fax you're calling. The remote fax machine unwraps the package and delivers it in its full-sized form, allowing your image to be printed accurately. Because your fax machine sends and receives a smaller data package when it's equipped with JBIG, the result is shorter transmission time, which saves money on long-distance calls.

JBIG compression can result in dramatic improvement in transmission times when you are sending halftone images like photographs. A halftone image that requires two minutes or more to send with a standard fax machine can be sent in less than 20 seconds with the F-160 and JBIG.

PROFILE - With the F-160, consider yourself the engineer. Create the ultimate office machine that works the way you do: use the F-160's customizable Soft Keys to fit your office needs and the Copy & Fax feature to save you trips to the copier. Do the work you need, when you need it. And with Muratec's QuadAccess™ and FaxRISC™ technology, do it all without slowing down. With the F-160, you're the boss – build your own F-160 to suit.

F-160 Specifications

Type High-speed facsimile transmitter and receiver for office use

Phone Line Normal Public Switched Telephone (PSTN) line or equivalent

Modem 33,600 bps with fallback to 31,200, 28,800, 26,400, 24,000, 21,600, 19,200, 16,800, 14,400, 12,000, 9,600, 7,200, 4,800 and 2,400 bps per ITU-T v34

Compatibility ITU-T Group 3

Transmission Speed 2.8 seconds per page with JBIG compression[1]

Feeder Capacity 50 pages

Resolution 406 x 392 lpi (ITU-T Hyperfine)

Grayscale 256 levels, feeder or copying; 64 levels, memory

Printing Width 8.2"

Scanning Width 10.1"

Scanning Method CCD

Printing Method Dry, electrophotographic (laser) process

Consumables Yield Drum cartridge, 20,000 pages; regular toner cartridge, 5,500 pages; starter cartridge, 3,600 pages

Paper Capacity 650 sheets

Document Size (width x height) Single sheet- 11.0" x 35.4" maximum, 5.8" x 4.1" minimum; two or more sheets - 10.1" x 14.4"maximum, 5.8" x 4.1" minimum

Weight 40.3 pounds

Dimensions (height x width x depth) 14.5" x 19.25" x 20.9"

Power 120 VAC ± 10%, 50-60 Hz

[1]Based on transmission of ITU-T Test Document 1 to a Muratec fax machine. Your transmission times will vary, but your Muratec fax machine always will provide the fastest transmission speeds possible under ITU-T guidelines and phone line conditions.

[2]Based on letter-sized sheets, 4% document coverage.

F-160 Features

Money-saving, high-speed operation
- 33.6 Kbps modem
- JBIG compression
- 1.7-second quick scan
- 2.8-second transmission speed
- 8 ppm laser print engine

Customizable Soft Keys

Select your most often-used fax features with a touch of a button

Quick Memory Transmission

Complete your fax call faster: fax begins dialing and transmitting while the document is still being scanned

Copy & Fax

Save a trip to the copy machine by making a copy of your fax document on the F-160 at the same time it sends your fax

Muratec FaxRISC™

32-bit processor designed to power the F-160's multifunctional capability without compromising the machine's performance

Muratec QuadAccess™

Multitasking design lets the fax perform four or more functions at once. For example, print, scan a fax into memory, program the machine and send a fax, all at once without slowing

Muratec ImageLSI technology

A sophisticated image LSI, providing better fax image quality, including improved results on pages with mixed text, line art and grayscale images.

Expandable document memory
- 140-page (2MB) standard memory[2]
- Expandable to 1,260 pages
- 100-hour memory backup, standard

Optional enhancements include:
- PC-to-fax connectivity
- 600 x 600 laser printing from Windows
- Network laser printing
- Second phone line for simultaneous sending and receiving of faxes
- Increased document memory
- Page counter
- Custom fax cabinet

200-number autodialer
- 64 one-touch numbers
- 136 speed-dial numbers
- 99 delayed commands
- EasyDial™ alphanumeric directory dialing

Broadcasting power
- Broadcasts to as many as 230 locations
- Relay and sequential broadcasting
- 32 call groups

Security and cost-control features
- Passcode protection
- SecureMail™ reception and transmission
- Junk fax barrier
- PIN mask
- ITU-T Sub-address compatible
- Closed network operation
- 100 Department codes

Batch transmissions
Automatic Daylight Savings Time recognition
Automatic page numbering

Enhanced polling capabilities
- Standard, delayed, ITU-T Sub-address

8 programmable keys
OneLine+™ distinctive ring detection and Caller ID-enabled
ITU-T-standard hyperfine and Error Correction Mode (ECM)
- Provides the highest resolution and best image quality possible between faxes – regardless of manufacturer

50-page automatic document feeder
- Stacks transmitted and printed documents in original order
- Automatic and manual reduction

Image smoothing
256-level grayscale
- Manual transmission
- Copying

Complete journals, reports and displays
In English, Spanish, French or German

User-controlled confirmation stamp
Automatic cover page
Muratec's "EasyStart" guided setup
Remote diagnostics
Half-page reception
Year 2000 ready
Silent operation