Epson® FX-2190II Series

Impact Printer Series

Wide-format impact printers built for demanding print environments.

Engineered for reliability — long life cycle; durable design with very few moving parts; withstands dust, humidity and extreme temperatures

Low cost of ownership — up-to-12-million-character ribbon cartridge[1] offers a low cost per page and helps reduce the frequency of user interventions

Powerful productivity — ultra fast, wide-format, 9-pin printer speeds through multipart forms and reports at up to 738 cps[2]

Seamless integration with both new and legacy systems — includes Epson ESC/P®, IBM® PPDS and Microline® printer languages for greater flexibility

Advanced paper handling — simple paper path for remarkable reliability; accommodates cut-sheet paper and continuous or multipart forms up to 7 pages thick[3]

Easy setup and operation — user-friendly control panel with intuitive setup and configuration features

Low power consumption — ENERGY STAR® V2.0 compliant

Multiple connectivity — parallel and USB connectivity

Serial port and Ethernet compatible — network card supports IPv6[4]

Print

Printing Method 9-pin, serial impact dot matrix

Print Direction Bidirectional logic seeking for text and graphics printing; unidirectional text or graphics printing can be selected using software commands

Print Speed
Ultra speed draft: 738 cps (12 cpi)[2], 615 cps (10 cpi)
High-speed draft: 612 cps (10 cpi)
Draft: 463 cps (10 cpi)
Letter quality: 115 cps (10 cpi)
Note: normal print speed is achieved when printer safety cover is fully closed

Character Sets
13 character tables
13 international countries character sets

Resident Bitmapped Fonts
Ultra speed draft: 10, 12 cpi
High-speed draft: 10, 12, 15, 17, 20 cpi
Draft: 10, 12, 15, 17, 20 cpi
NLQ (Roman/Sans Serif): 10, 12, 15, 17, 20 cpi, proportional

Barcode Fonts
EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET, Codabar (NW-7), Industrial 2 of 5, Matrix 2 of 5

Column Width
10 cpi: 136
12 cpi: 163
15 cpi: 204
17 cpi: 233
20 cpi: 272

Formatting
1/6" programmable in 1/432" increments
Line spacing: 6 lines per inch (lpi) default (8 lpi option available on FX-2190II Series Oki Data® Mode Only)

Paper Feed Mechanism

Feeding Method Friction feed (front, rear), push tractor (front, rear), pull tractor (front, bottom, rear), push and pull tractor (front, rear), roll paper holder (optional)

Paper Feed Speed 45 millisecond per 1/6", 5.3" per second continuous feed

Paper Path
Manual insertion: front or rear in, top out
Cut-sheet feeder: rear in, top out
Tractor: front rear or bottom in, top out
Pull/push tractor: front or rear in, top out

Paper Handling

Media Type Forms, continuous, multipart (original + 5 carbonless copies), 1 + 6 copies[3] with pull tractor (optional), envelope no. 6, envelope no. 10, labels and roll paper

Maximum Thickness 0.018" (0.4572 mm)

Width
Single sheet: 3.9" to 16.5"
Continuous: 4.0" to 16.0"
Cut-sheet feeder: 7.2" to 16.5"

Length
Single sheet: 3.9" to 14.3"
Continuous: 4.0" to 22.0"
Cut-sheet feeder: 10.1" to 14.0"

General

Interfaces
FX-2190II: bidirectional parallel (IEEE 1284 Nibble Mode supported), USB 2.0

FX-2190II N (factory configuration only): bidirectional parallel (IEEE 1284 Nibble Mode supported), USB 2.0, serial interface board, network 10/100Base-TX interface board

Control Panel Functions Font, Pitch, Pause, Tear-Off/Bin selection, Line feed/Form feed, Load/Eject, Micro-Adjust, Reset, Self test, Data dump and Default setting selection

Reliability
MTBF: 25,000 POH (25% duty cycle)
MVBF: 52 million lines (except printhead)
Printhead life: 400 million characters at 14 dots/character[5]
Ribbon life: 12 million characters at 14 dots/character[1]

Input Data Buffer
Size: 128KB

Dimensions (W x D x H) 24.1" x 14.8" x 6.9"
(612 mm x 375 mm x 176.5 mm)

Weight 20.7 lb (9.4 kg)

Safety Standards
UL62368-1, CAN/CSA C22.2 No. 60950-1, IEC/EN62368-1
EMI: FCC Part 15 Subpart B Class A, ICES-003 Class A, EN55032 (CISPR pu.32) Class A, As/NZS CISPR32 Class A
CE markings: EN62368-1, EN55032 Class A, EN61000-3-2, EN61000-3-3, E55024

Sound Level
Noise: 54 dBA (ISO 7779 pattern)

Power Requirements
Rated voltage: AC 100 V – 240 V
Input voltage range: AC 90 V – 264 V
Rated frequency range: 50 HZ – 60 Hz
Input frequency range: 49.5 HZ – 60.5 Hz

Power Consumption
Operating Mode: Approx. 57 W (ISO/IEC 10561 Letter Pattern)
Ready Mode: Approx. 12 W
Sleep Mode: <0.04 W (Network Model)
ENERGY STAR compliant: certified with V2.0

Software

Drivers[6] OS support: Microsoft® Windows Vista®; Windows® 7, XP, 8, 10; Windows Server® 2003, 2008, 2012, 2016

Printer Language
Epson ESC/P
IBM PPDS
Oki Data Microline (Oki Data Mode only)

What's Included

Epson FX-2190II or FX-2190II N Impact Printer, AC Adapter, Ribbons Cartridge, User's Manual/*Start Here* Guide, Setup Guide, CD Driver, Warranty Certificate

Warranty

3-year limited warranty in the U.S. and Canada

Support

The Epson Connection℠
Pre-Sales Support (U.S. and Canada): 800-463-7766
Website: www.epson.com

Eco Features

RoHS compliant
End-of-life options available[7]
Epson America, Inc. is a SmartWay® Transport Partner[8]

Ordering Information

FX-2190II	C11CF38201
FX-2190II N	C11CF38202
Accessories and Cartridges	
Ribbon Cartridge	C13S015602
Pull Tractor Unit	C12C933791
Optional Sheet Guide	C12C933811
Roll Paper Holder	C12C811141

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