

Specifications

UP Series Embedded POS Models	UP-700	UP-810F	UP-820F	UP-820N	UP-3500
Cabinet					
Color	Gray 282/Light Grey	Black (Gray 2)	Black (Gray 2)	Black (Gray 2)	Black (Gray 2)
Operator Display					
	LCD w/ back light	TFT LCD Color w/ backlight	TFT LCD Color w/ backlight	TFT LCD Color w/ backlight	12.1" TFT Color LCD w/ backlight
Operator Input	No	Yes	Yes	Yes	Yes
Resolution	320x240	400x240	400x240	400x240	XGA 1024x768
No. Lines	20 char. x 8 lines	44 char. x 12 lines	44 char. x 12 lines	44 char. x 12 lines	Full
Color	White & Black	Color	Color	Color	Color
Brightness & Contrast Controls	Yes	Yes	Yes	Yes	Yes (Programming)
Tilt Control	Yes	Yes	Yes	Yes	Yes
Customer Display					
	Std.	Std.	Std.	Std.	Opt.
Type	Pop-Up	Pop-Up	Pop-Up	Pop-Up	Intergrated
No. Lines	1-Line: 7 segment	1-Line: 7 segment	1-Line: 7 segment	1-Line: 7 segment	2-Lines: 20 char
Keyboard					
	Flat/Micro-motion	Flat/Micro-motion	Flat/Micro-motion	Raised	Analog Touch
Type Matrix	9 x 16	9 x 16	9 x 16	6 x 14	Customize
No. Positions	142	142	142	82	Programmable
Printer					
	Std.	Std.	Std.	Std.	Opt.
Type	2 Sta./Thermal	1 Sta./Thermal	2 Sta./Thermal	2 Sta./Thermal	2 Sta./Thermal
Model	PR-58HA	LT-1320CS	PR-58HA	PR-58HA	ER-01PU
LPS	Approx. 17.0	Approx. 20.0	Approx. 17.3	Approx. 17.3	Approx. 18.0
Logo	Graphic or 6 lines	Graphic or 6 lines	Graphic or 6 lines	Graphic or 6 lines	Graphic or 6 lines
Paper Size	57.5mm (ER57TRT)	80 mm (ER80TRT)	57.5mm (ER57TRT)	57.5mm (ER57TRT)	57.5mm (ER57TRT)
Auto Cutter	Manual	Yes	Yes	Yes	Yes
Mode Switch / Screen					
Type	Rotary (Mode Key)	Function Key	Function Key	Function Key	Function Key
Available Modes	8	8	8	8	18
Cashier/Clerk					
Type	Code	Code	Code	Code	Code
Receipt On/Off Switch	Yes	Yes	Yes	Yes	Yes
Type	Function key	Function Key	Function Key	Function Key	Function Key
Power Switch	Yes	No	No	No	Yes (standby switch)
External Dimensions (HxWxD)	10.3"x11.4"x14.4"	10.27"x13.74"x17.24" / with cash drawer 15"x13.97"x71.24"	10.27"x13.74"x17.24" / with cash drawer 15"x13.97"x71.24"	10.27"x13.74"x17.24" / with cash drawer 15"x13.97"x71.24"	12.5"x12.2"x11.2"
Weight	36.2 lbs.	31.63 lbs	31.63 lbs	31.63 lbs	12.1 lbs.
Cash Drawer					
Standard	1 Std./Max. 2	1 Std./Max. 2	1 Std./Max. 2	1 Std./Max. 2	Opt./Max. 2
Compartments	7B/5C	5B/6C	5B/6C	5B/6C	7B/5C
Drawer Open Sensor	Std.	Std.	Std.	Std.	Std.
Communications					
LAN Communications	Ethernet (TCP/IP)	Ethernet (TCP/IP)	Ethernet (TCP/IP)	Ethernet (TCP/IP)	Ethernet (TCP/IP)
No. Terminals	Max. 64	Max. 32	Max. 32	Max. 32	Max. 32
RS-232 ports	Std. 2 (DB9 x 1 / RJ-45 x 1) / Max. 4 with optional ERA5RS board	Std. (DB9 x 2 / RJ-45 x 2)	Std. (DB9 x 2 / RJ-45 x 2)	Std. (DB9 x 2 / RJ-45 x 2)	Std. (DB9 x 4 / RJ-45 x 1)
Program Data Backup	via PC Utility (O2FD.exe) only	SD Card	SD Card	SD Card	SD Card

Sharp Accessories & 3rd Party Interfaces & Options

UP Series Embedded POS Models	UP-700	UP-810F/820F/820N	UP-3500
Accessories			
2MB Memory Board	UPS02MB	N/A	N/A
4MB Memory Board	UPS04MB	UPS04MB2	UPS04MB2
8MB Memory Board	N/A	UPS08MB	UPS08MB
RS232 Expansion board (2 ports)	ERA5RS	N/A	N/A
3 Track Magnetic Card Reader	UPE13MR (optional)	UPE13MR3 (optional)	UP-E13MR2 (Standard)
Internal 20 Char. Customer Display	N/A	N/A	UPI20DP
Pole 16 Char. Customer Display	UPP16DP	UPP20DPB	UPP20DPB
8-port 3COM Ethernet Hub	ERHUB1	ERHUB1	ERHUB1
10"x10" Avery/Weightronix Scale (Serial)	ERSC6710	ERSC6710	ERSC6710
14"x12" Avery/Weightronix Scale (Serial)	ERSC6720	ERSC6720	ERSC6720
Cash Drawer w/ coin case	ER03DW (7B/5C)	ER56DWB3 (5B/6C) / ER03DWB7 (7B/5C) / ER04DW (5B/5C)	ER03DW (7B/5C) / ER03DWB7 / ER04DW (5B/5C)
Coin Case	ER75CC3 (7B/5C)	ER56CC3 (5B/6C) / ER75CC3 (7B/5C) / ER55CC2 (5B/5C)	ER75CC3 (7B/5C) / ER55CC2 (5B/5C)
Vivo pay 4000 Reader	UPVIVOREADER	UPVIVOREADER	UPVIVOREADER
Other			
Key Top, 1x1	N/A	ER11KT8 (UP-820N)	N/A
Key Top, 1x2	N/A	ER12KT8 (UP-820N)	N/A
Key Top, 2x2	N/A	ER22KT8(UP-820N)	N/A
Key Top, dummy 1x1	N/A	ER11DK8 (UP-820N)	N/A
Key Top, dummy 5x1	N/A	ER51DK8B (UP-820N)	N/A
3rd Party Interfaces / Options			
Account Balance I/F/Smart Card/Prepaid Card Store Value Systems	Yes	Yes	Yes
EFT / EPAY/ CAT (Electronics Payments) Check w/o MICR, Credit, Debit, Gift	Yes	Yes	Yes
IC Card for ViBOPay™ Reader	Yes	Yes	Yes
Coin Dispenser	Yes	Yes	Yes
Color/Kitchen Video Monitor Systems (CVM/KVM)	Yes	Yes	Yes
CCTV / Print Data	No	via External Printer	Yes
Online Communications / PC	Yes	Yes	Yes
Drink Dispenser	No	No	Yes
OCB (Order Confirmation Board)	via CVM	via CVM	Yes
Barcode Reader / Scanner	Yes	Yes	Yes
Scale	Yes	Yes	Yes
Printers			
Receipt	built-in	built-in	ER-01PU or selected Epson series printers
Journal	built-in	built-in or selected Epson series printers	ER-01PU or selected Epson series printers
Report	built-in or selected Epson series printers	built-in or selected Epson series printers	ER-01PU or selected Epson series printers
Bill (Slip) Printer	built-in or selected Epson series printers	built-in or selected Epson series printers	ER-01PU or selected Epson series printers
Validation Printer	Epson TM-295 only	Epson TM-295 only	No
Kitchen (Remote) Printer	built-in or selected Epson series printers	built-in or selected Epson series printers	ER-01PU or selected Epson series printers

Software Features

UP Series Embedded POS Models	UP-700	UP-810F	UP-820F	UP-820N	UP-3500
Departments					
No. Std. / Max.	20/99	10/99	10/99	20/99	15/99
Char. Text	8/16	8/16	8/16	8/16	20
CVM Control Char.	Y	Y	Y	Y	Y
Discount/Mark Down Control	Y	Y	Y	Y	Y
Age Verification	Y	Y	Y	Y	N
Gas Type	Y	Y	Y	Y	N
Grouping	9	9	9	9	99
Level Shift	Y	Y	Y	Y	Y
HALO/LALO	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y
Hash	Y	Y	Y	Y	Y
Mark Down	Y	Y	Y	Y	Y
Minus (Negative)	Y	Y	Y	Y	Y
Remote Printer Assign.	3	3	3	3	N
Scale/Tare Control	Y	Y	Y	Y	Y
Server Groups	9	9	9	9	N
For these models, the PLU and UPC/EAN file group is shared.					
PLU /UPC					
No. Std. / Max.	500 up to 30000 w/ 4MB Memory board	500 up to 60,000 w/ 8MB Memory board	500 up to 60,000 w/ 8MB Memory board	1000 up to 60,000 w/ 8MB Memory board	600 up to 10,000 w/ 8MB Memory board
PLU/Sub Code/UPC Code	PLU Code max 5 digits / UPC/EAN max. 13 digits	PLU Code max 5 digits / UPC/EAN max. 13 digits	PLU Code max 5 digits / UPC/EAN max. 13 digits	PLU Code max 5 digits / UPC/EAN max. 13 digits	PLU Code max 6 digits / UPC/EAN max. 13 digits
Char. Text	8/16	8/16	8/16	8/16	8/16
Combo Meal Tables	20	20	20	20	999
Combo Upsize	Y	Y	Y	Y	N
Condiment Entry Compulsory	Y	Y	Y	Y	Y
Fast Food Multiplication	Y	Y	Y	Y	Y
PLU Groups	3 (00-99)	3 (00-99)	3 (00-99)	3 (00-99)	N
HALO/LALO	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y
Hash PLUs	by Dept.	by Dept.	by Dept.	by Dept.	by Dept.
Inquiry (Price)/Price Change	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y
Link PLUs	Y (1-99)	Y (1-99)	Y (1-99)	Y (1-99)	Y (1-99)
Menu Levels	5	5	5	5	10
Default Level Preset	Y	Y	Y	Y	N
Price Shift	6	6	6	6	N
Set PLUs	Y	N	N	N	Y
Minus PLUs/Coupon PLUs	Y	Y	Y	Y	Y
Mix & Match	Y (1-99)	Y (1-99)	Y (1-99)	Y (1-99)	Y (1-99)
Promo type PLUs	Y	Y	Y	Y	Y
Remote Printer Assign.	3	3	3	3	3
Chit printing	Y	Y	Y	Y	Y
KP Descriptor (Alternative Text)	Y	Y	Y	Y	Y
Modified Output	Y	Y	Y	Y	Y
Priority Group Assign	1~9	1~9	1~9	1~9	1~9
Scale Assign.	Y/Auto & Allowed	Y/Auto & Allowed	Y/Auto & Allowed	Y/Auto & Allowed	Y/Auto & Allowed
Tare Tables	1~9	1~9	1~9	1~9	1~9
Stock counter	Y	Y	Y	Y	N
Overwrite/Add/Subtract	Y	Y	Y	Y	N
Recipe Text Print/Display	N	N	N	N	Y
Condiment Tables					
No. Std. / Max.	10/99	10/99	10/99	0/99	10/99
Next Table #	Y	Y	Y	Y	Y
Repeat Times	Y	Y	Y	Y	Y
No. Items	15	28	28	28	50

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UP Series Embedded POS Models	UP-700	UP-810F	UP-820F	UP-820N	UP-3500
Cashiers/Servers					
No. Std. / Max.	10/255	15/255	15/255	15/255	20/255
Char. Text	8	12	12	12	8
Code Entry/Secret Code	4/4	4/4	4/4	4/4	4/8
Net Sales %	Y	Y	Y	Y	Y
GLU Range assignment	Y (by Terminal)	Y (by Terminal)	Y (by Terminal)	Y (by Terminal)	Y (by Terminal)
Guest Check Add	Y	Y	Y	Y	Y
Guest Check Transfer	Y	Y	Y	Y	Y
Sign-On System					
Auto Sign Off/Stay Down	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y
Compulsory PB Entry	Y	Y	Y	Y	Y
Compulsory Drawer No.	Y	Y	Y	Y	Y
Drawer Open on Sign-On/Off	Y	Y	Y	Y	Y
System-Wide Floating	Y	Y	Y	Y	Y
Tip Paid Manually/Automatically	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y
Managers					
No. Std. / Max.	5/99	0/99	0/99	0/99	20/255 (via Cashier pgm)
Code/Secret Code Entry	2/4	2/4	2/4	2/4	4/8
Compulsory Sign-on	Y	Y	Y	Y	Y
HALO Over-ride	Y	Y	Y	Y	Y
Secret Code	Y	Y	Y	Y	Y
Guest Look Up					
No. Std. / Max.	50/memory	2/memory	2/memory	0/memory	50/memory
Bill Print control	Y	Y	Y	Y	Y
Code Entry	8 digits	4 digits (1-9999)	4 digits (1-9999)	4 digits (1-9999)	8 digits
GLU/PBLU Check system	Yes	Yes	Yes	Yes	Yes
Individual	Y	Y	Y	Y	Y
Centralized	Y	Y	Y	Y	Y
Cover Entry	Y	Y	Y	Y	Y
Auto Calculate	N	N	N	N	N
Compulsory Entry	Y	Y	Y	Y	Y
GLU List / Recall	Y	Y	Y	Y	Y
Table Number / Seat Number	Y	Y	Y	Y	Y
Compulsory Entry	Y	Y	Y	Y	Y
Service Time	N	N	N	N	Y
Drive/Thru System	Y	Y	Y	Y	Y
Individual	Y	Y	Y	Y	Y
Centralized	Y	Y	Y	Y	Y
Wait / Park Function	N	N	N	N	Y
Individual Payment	Y	Y	Y	Y	Y
Deposit/Deposit Refund	Y	Y	Y	Y	Y
Bill Totalizing / Guest Check Add	Y	Y	Y	Y	Y
Guest Check/Bill Transfer / Bill/Split Check / Bill Separate	Y	Y	Y	Y	Y
Multiple (-)/(%)	Y	Y	Y	Y	Y
Repeat Round	Y	Y	Y	Y	N
GLU Range assignment	Y (by Terminal)	Y (by Terminal)	Y (by Terminal)	Y (by Terminal)	Y (by Terminal)
Media Keys w/ Totals					
Cash/Check/Charge	5/5/9	5/9/9	5/9/9	5/9/9	9/9/9
Remote Printer Assign.	3	3	3	3	3
Chit print	Y	Y	Y	Y	Y
Eat-in	3	3	3	3	9
Food Stamp Tender	Y	Y	Y	Y	N
RA/PO	2/2	2/2	2/2	2/2	9/9
Coupon (-)(+) / Discount (-%)(+)%/Group%	9/9/3	9/9/3	9/9/3	9/9/3	99/99/99

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Menu Functions					
Cash Media Menu	Y	Y	Y	Y	Y
Charge Media Menu	Y	Y	Y	Y	Y
Check Media Menu	Y	Y	Y	Y	Y
Currency Conversion Menu	Y	Y	Y	Y	Y
Functional Menus	Y	Y	Y	Y	Y
Void Menu	Y	Y	Y	Y	Y
Misc. Function Menu	Y	Y	Y	Y	Y
% Menu	N	N	N	N	Y
-Menu	N	N	N	N	Y
RA Menu	N	N	N	N	Y
PO Menu	N	N	N	N	Y
Message Menu	Y	Y	Y	Y	N
PLU Menus	50	50	50	50	999
Employee Time Keeping					
No. Std./Max.	0	0	0	0	10/255
Time & Attendance	N	N	N	N	Y
Chit Print	N	N	N	N	Y
Time In/Time Out	N/N	N/N	N/N	N/N	Y/Y
Break In/Out	N/N	N/N	N/N	N/N	Y/Y
Manager Edit	N	N	N	N	Y
Over Time	N	N	N	N	Y
by Day	N	N	N	N	Y
by Period	N	N	N	N	Y
Auto Shift	N	N	N	N	Y
Job Locations	N	N	N	N	7
Pay Periods	N	N	N	N	Y
Customer Management / Charge Posting					
No. of Customers	Std. 0 / Memory	Std. 0 / Memory	Std. 0 / Memory	Std. 0 / Memory	N
Customer Code	13 Digits	13 Digits	13 Digits	13 Digits	N
Name	16 char.	16 char.	16 char.	16 char.	N
Address	32 char.	40 char.	40 char.	40 char.	N
Entry Method	Bar Code/Manual/MCR	Bar Code/Manual/MCR	Bar Code/Manual/MCR	Bar Code/Manual/MCR	N
Editing Text	Y	Y	Y	Y	N
Learning Function	Y	Y	Y	Y	N
Partial Payment	Y	Y	Y	Y	N
Remote Printer Functions (SRN)					
No. printers	9	9	9	9	9
Assign by Item	2	3	3	3	3
Auto Back Up (Redirect)	Y	Y	Y	Y	Y
Consolidated/Double Sized print	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y
Expeditor Printing (by Media)	Y	Y	Y	Y	Y
Red/Black Print	Y	Y	Y	Y	Y
RP Send	Y	Y	Y	Y	Y
Surpress Void/Refund Data	Y	Y	Y	Y	Y
Tax System					
No. Tax Rates	4	5	5	5	20
by Table	Y	Y	Y	Y	Y
by Manual	Y	Y	Y	Y	Y
by Percent	Y	Y	Y	Y	Y
by VAT	Y	Y	Y	Y	Y
Tip Function					
Cash Tip	Y	Y	Y	Y	Y
Charge Tip	Y	Y	Y	Y	Y
Edit Tip	Y	Y	Y	Y	Y

Software Features

UP Series Embedded POS Models	UP-700	UP-810F	UP-820F	UP-820N	UP-3500
Additional Features					
Auto Keys	25	99	99	99	999
SCM (Starting Cash Memory Entry)	N	Y	Y	Y	Y
Check Cashing	Y	Y	Y	Y	N
Currency Conversion	4	4	4	4	4
Electronic Journal	N	Y	Y	Y	Y
Expeditor Printer	Y	Y	Y	Y	Y
Grand Totals	3	3	3	3	3
Gratuity	Y	Y	Y	Y	Y
Negative Check File	Y	Y	Y	Y	N
Macro Function (using Auto keys)	Y	Y	Y	Y	Y
No Sale	Y	Y	Y	Y	Y
Printer ReRouting	Y	Y	Y	Y	Y
Positive Check File	Y	Y	Y	Y	Y
Receipt Copy/On Demand	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y
Repeat Entry	Y	Y	Y	Y	Y
Sentinel setting	Y	Y	Y	Y	Y
T-Log Data Capture	Y	Y	Y	Y	Y
Training Mode	Y	Y	Y	Y	Y
Tray Subtotal w/ Tax	Y	Y	Y	Y	Y
Waste Mode	Y	Y	Y	Y	Y
System Control					
In Line Config.					
Master/Satellite/Backup Master	Y/Y/Y	Y/Y/Y	Y/Y/Y	Y/Y/Y	Y/Y/Y
Central File Systems					
Guest Checks	Y	Y	Y	Y	Y
Drive Thru	Y	Y	Y	Y	Y
Server/Employee	Y	Y	Y	Y	Y
Positive Check File	Y	Y	Y	Y	Y
Negative Check File	Y	Y	Y	Y	Y
Consolidated Reporting	Y	Y	Y	Y	Y
by Individual Machine	Y	Y	Y	Y	Y
Counter/Drive Thru/Cashier Designation	N	N	N	N	Y
Multi-Order Display	N	N	N	N	Y
Mode Security	by Key	by Code	by Code	by Code	by Code
Program Job Security	by Code	by Code	by Code	by Code	by Code
Report Job Security	by Code	by Code	by Code	by Code	by Code
Remote Printing (Network - TCP/IP)	N	N	N	N	Y
Rerouted Printing (via LAN to RS-232)	Y	Y	Y	Y	Y
System Retry Function	Y	Y	Y	Y	Y
T-Log Data Collection	Y	Y	Y	Y	Y