

H-427+ 203 DPI 7 IPS H-435+ 300 DPI 5 IPS



From the creators of EASYLABEL® the Tharo H-Plus Series is a robust industrial barcode label printer in the mid-level price range.







Color LCD and button panel for easy configuration

Multiple interface ports standard USB host port for standalone

Affordable high speed printing at up to 7 IPS

Simply the best value for your most demanding applications

THARO SYSTEMS, INC. 2866 NATIONWIDE PARKWAY P.O. BOX 798 BRUNSWICK, OHIO 44212-0798 USA 800-878-6833 · 330-273-4408 · FAX: 330-225-0099 · SALES@THARO.COM WWW.THARO.COM

Code 128 (subset A, B, C), EAN 128, RPS 128, UCC 128, UCC/EAN-128 K-Mart, Random Weight, Post NET, ITF 14, China	MODEL		H-427+	H-435+	
Print Seged Up to 78's (127mm/s) Up to 78's (127mm/s) Print Width K.A.G.97 (Ldmm) AL90" (Lohm) Print Length Min. 0.18'(Amm)*-Max. 100" (2540mm) Min. 0.18' (Mam) Stark MK Stark MK (SC PU Min. 0.18' (Mam) Min. 0.18' (Mam) Stark MK (SC PU Stark MK (SC PU Min. 0.18' (Mam) Min. 0.18' (Mam) Sensor Type Task Stark MK (SC PU Min. 0.18' (Mam) Sensor Type Continuous Com, gap Labels, Jack mark sensing and purched hole. Label length set by auto-sensing or programming Come Min. 1' (S Amm). Max. 46'' (118mm) Image: Sensor MK (SC PU) Media Tackses Min. 1' (S Amm). Max. 46'' (118mm) Image: Sensor MK (SC PU) Tackses Min. 1' (S Amm) Image damage (PL). Zabra Emulation*, Eltron Emulation* Image: Sensor MK (SC PU) Stark MK (M KORE) Min. 1' (S Amm) Image damage (PL). Zabra Emulation*, Eltron Emulation* Image: Sensor MK (SC PU) Stark MK (M KORE) Min. 1' (S Amm) Image damage (PL). Zabra Emulation*, Eltron Emulation* Image: Sensor MK (SC PU) Stark MK (SC PU) Min. 1' (S Amm) Image damage (PL). Zabra Emulation*, Eltron Emulation* Image: Sensor MK (SC PU) Stark MK (SC PU) Sensor MK (SC PU) Se	Print Method		Thermal Transfer / Direct Thermal		
Pint With 4.09° (104mm) 4.09° (104mm) Pint Larght Nin. 0.13°(4001°**Aka. 100°(25400m) Nin. 0.14°(4001°**Aka. 100°(25400m) Processor 32 bit RISC CPU Nin. 0.14°(4001°**Aka. 100°(25400m) Nin. 0.14°(4001°**Aka. 43°(11300m) Processor Adjustable reflective sensor and transmissive sensor, left aligned Min. 5.01°(40000*********************************	Resolution		203 DPI (8 dots/mm)	300 DPI (12 dots/mm)	
Print Length Min. 0.16"(Hamm)**-Max. 100"(2540mm) Min. 0.16"(Hamm)**-Max. 45"(1143mm) Processor 32 bit RISC CPU Min. 0.16"(Hamm)**-Max. 45"(1143mm) Memory Flash Add Flash (Abd For user storage) SURAWA Server Adjustable reflective sensor and transmissive sensor, left aligned Jones Server Adjustable reflective sensor and transmissive sensor, left aligned Jones Media Tipe: Continuous of mag. publeb, bake mark sensing and punched hole. Label length set by auto sensing or programming. Width Cutter Max. 4.64" (113mm) Dispersor / Rewind Max. 4.64" (113mm) Media Tipe: Min. 0.00" (0.06mm) Max. 6.01" (0.25mm) Label negth in the sensor and transmissive sensor. Jet negative sensor and transmissive	Print Speed		Up to 7IPS (177mm/s)	Up to 5IPS (127mm/s)	
Processor 32.bit RSC CPU Memory [IsM] BMF Enk (MB for user stronge) Sonsor Type Adjustable reflective sensor and transmissive sensor, left aligned Sensor Type Adjustable reflective sensor and transmissive sensor, left aligned Media Standard: Min. 1 (25.4mm). Nax. 4.64" (118mm) Media Tiskiness Min. 0.003 (10.68mm). Max. 6.01" (12.5mm) Label Fold Max. 4.62" (118mm) Extended Min. 1 (25.4mm) Max. 1.67 (23.5mm) otter diameter Core Min. 0.003 (10.68mm). Max. 6.01" (12.5mm) Bitmap Max. 1.47 (450m) Min. 1.5" (33.1mm) otter diameter Types Core 1 (12.54mm) inner diameter Tava Coregramming Language (TPL), Zebra Emulation*, Elsron Emulation* Frinter Language Frinter Language True Type Core functorers 90, 130, 720" tratable Bitmap Estign File ExX/MAEL* Start Distribution and angle characters 90, 130, 720" tratable Bitmap for the stand angle characters 90, 130, 720" tratable Bitmap for tax all sign of tax all sig	Print Width		4.09" (104mm)	4.09" (104mm)	
Memory Flush BMF Flush (MME for user storage) STIMM 1640 Sensor Type Algostable reflective sensor and transmissive sensor, left aligned Sensor Type Continuous form, gap labels, lack mark sensor and grunched hole. Label length set by auto-sensing or programming Standard. Min. 1/127.4mm]. Max. 467 (113mm) Media Width Gutter Max. 467 (113mm) The sensor Algost Max. 467 (113mm) Disperser. Rewind. Max. 467 (113mm) The sensor Algost Max. 467 (113mm) Disperser. Rewind. Max. 467 (113mm) The sensor Algost Max. 467 (113mm) Disperser. Rewind. Max. 467 (113mm) The sensor Algost Max. 467 (113mm) Disperser. Rewind. Max. 467 (113mm) Sensor Max. 457 (113mm) Disperser. Rewind. Max. 467 (113mm) The sensor Algost Max. 467 (113mm) Disperser. Rewind. Max. 457 (110mm) Core Min. 118" (30mm). Max. 43" (110mm) Core Min. 116" (30mm). Ined diameter Disperser. Rewind. Max. 457 (110mm) Core Min. 116" (30mm). Ined diameter Disperser. Rewind. Max. 457 (110mm) Software Disperser. Rewind. Language (TPL). Zens Envirol. Max. 457 (110mm) Software Disperser. Rewind. Language (TPL). Zensor Envirol. Max. 457 (110mm) Software Disperser. Rewind. Se	Print Length		Min. 0.16"(4mm)**-Max. 100"(2540mm)	Min. 0.16"(4mm)**-Max. 45"(1143mm)	
SDRAM IDMB Sorsor Type Adjustable reflective sensor and transmissive sensor, left aligned Sensor Type Continuous form, gap labels, black mark sensing, and punches hole. Label length set by auto-sensing or programming. Standard: Unit : 1(2.5 amp): Nax. 4.64" (118mm) Sensor Type Media Continuous form, gap labels, black mark sensing, and punches hole. Label length set by auto-sensing or programming. Internet Sensor Type Sensor Type Note: Conternet Designer (Rewind Max. 64" (118mm) Internet Max. 347 (126mm) Max. 437 (110mm) Wave. Mark (Reish Reish Sensor Type Wave. 347 (145mm) Wave. Mark (Reish Reish Sensor Type Sensor Type Stransor Type Max. 347 (130mm) Sensor Type Stransor Type Type: Sensor Type Sensor Type Stransor Type Sensor Type Sensor Typatable Stransor			32-bit RISC CPU		
Sensor Type Adjustable reflective sensor and transitive sensor, left aligned Keiden Continuous (orm, gap labek, back mark sensing and punched hole. Label length set by auto sensing or programming Media Standard: Min. 1º (2,4 mm). Max. 46.4° (113mm). Theorem Mis. 10.5° (105,4 mm). Max. 46.4° (113mm). Theorem Mis. 10.5° (106,6 mm). Max. 46.4° (113mm). Theorem Mis. 1.5° (106,6 mm). Max. 64.7° (113mm). Theorem Mis. 1.5° (106,8 mm). Max. 43° (110mm). Core Mis. 1.18° (30mm). Max. 4.3° (110mm). Core Mis. 1.18° (30mm). Max. 4.3° (110mm). Core 1° (25,4 mm). Incer diameter Printer Language Theor Programming Language (TPL). Zotha Enulation*, Eltron Enulation* Printer Changuage 1° (25,4 mm). Incer diameter Resident Fonts Esting. Jock 24.47 (Telforing). Resident Fonts Esting. Jock 24.47 (Telforing). Resident Fonts Esting. Jock 24.47 (Telforing). Bitting. Jock 24.47 (Telforing). Bitting. Jock 24.47 (Telforing). Bitting. Jock 24.47 (Telforing). Bitting. Jock 24.47 (Telforing). Bitting. Jock 24.47 (Telforing). Bitting. Jock 24.47 (Telforing). Dowinloadable Fonts	Memory	Flash	8MB Flash (4MB for user storage)		
Type: Continuous form, gap labels, black mark sensing and punched hole. Label length set by auto-sensing or programming. Media Standard: Kin. 11(2.5 Annum) - Max. 4.64" (113mm) Width Cutter: Nax. 4.61" (112mm) Label Roll Min. 0.003" (100mm) Max. 0.01" (0.25mm) Label Roll Max. 15" (18.1 mm) Thickness Min. 0.003" (100mm) Max. 0.01" (0.25mm) Roll Max. 147" (1400m) Width Max. 147" (1400m) Core Thrace Toggramming Lapsuage (TPL). Zebra Emulation*, Eltron Emulation* Printer Language Printer Soft Maxing Soft Maxing Obvinioadable Fonts Bitming Onis and single characters 90". 180", 270" rotatable Bitming Onis and single characters 90". 180", 270" rotatable Bitming Onis and single characters 90". 180", 270" rotatab		SDRAM	16MB		
Standard: Kin, 1'(2: Arm) Max, A6" (138m) Media With Cutter: Nax, 4.6" (137m) Dispenser, / Revind: Max, 6.6" (138m) Thickness Min. 0.00? (106m), Max, 6.01? (0.25m) Label Roll Max, 8" (283, 2mn) outer diameter Core Min. 1.15" (30mn) Wax, Warkins, Resin Encode With Min. 1.15" (30mn) Software D'rev D'rev PR / risk Vindows 7: 10.0 Max, Linux Driver PR / risk Vindows 7: 10.0 Max, Linux Driver PR / risk Vindows 7: 10.0 Max, Linux Downloadable Fonts Bitmap Bitmap Risk 24, 8, 0, 16x25 and 02, 20" rotatable Barroots Code 32, Code 33, ENR / S13 did on 2 & 5), UPC A/E (ad on 2 & 5), 12 of 5 & 12 of 5 with Shipping Bearer Bars, Codat Downloadable Fonts Asian Fonts Code 32, Code 33, ENR / S13 did on 2 & 5), UPC A/E (ad on 2 & 5), 12 of 5 & 12 of 5 with Shipping Bearer Bars, Codat 2:D POF47, Minor POF417, Ditranadrith, Maxicole, QB code 10, Code 11, Code 49, Codablec <td>Sensor Type</td> <td>•</td> <td>Adjustable reflective sensor and transmissive sensor, left aligned</td> <td>d</td>	Sensor Type	•	Adjustable reflective sensor and transmissive sensor, left aligned	d	
Standard: Hin. 1'(2; 3dmn)-Max. 64" (138mn) Media Cutter Nax. 45" (17mn) Dipporser / Revind: Max. 64" (138mn) Thickes Min. 0.03" (056mn) Max. 0.01" (025mn) Label Roll Max. 8" (203.2mn) outer diameter Core Man. 15" (38.1mn) diameter Mutrice Min. 1.15" (30mn) Min. 1.15" (30mn) Max. 4.3" Min. 1.15" (30mn) Mix. 4.3" Min. 1.15" (30mn) Mix. 4.3" Min. 1.15" (30mn) Mix. 4.3" Mix Min. 1.15" (30mn) Mix. 4.3" Software D'reer Driver PKINAWIGWARS 7.0.0 Max. Linux Software D'reer Diver PKINAWIGWARS 7.0.0 Max. Linux Downloadable Fonts Bilmap Bilmap discharaters 971.80", 20" rotatable True Type GC Trumvinter (Bold, Talic, Underline) 0", 9", 180", 20" rotatable Downloadable Fonts Asia Font Istale, Code 38, Code 38, KN K31 did on 2 & 51, UPC A/E (ad on 2 & 51, 12 of 5 & 12 of 5 with Shipping Bearer Bars, Codat 2-D Orda18, Code 38, KN K31 did on 2 & 51, UPC A/E (ad on 2 & 51, 12 of 5 with Shipping Bearer Bars, Codat Bar Codes Linua Preser AN K31 did o		Types	Continuous form, gap labels, black mark sensing and punched hole. Label length set by auto-sensing or programming		
Width Cutter: Nas. 4 5f' (127mm) Dipenser Rewind: Max. 6 45' (128mm) Label Roll Max. 197' (26 32 mm) outor diameter Core Min. 1.5'' (28 1mm) diameter Core Win. 1.5'' (28 1mm) diameter Ribbon Wax. 197'' (25 4mm) diameter Wind Min. 1.5'' (28 1mm) diameter Core Wax. 1476' (450m) Width Min. 1.5'' (28 1mm) diameter Core 1'' (25 4mm) diameter Core 1'' (25 4mm) diameter Core 1'' (25 4mm) diameter Software Design Printer Language Printer Software Software Design Bitmap 6, 8, 10, 12, 14, 18, 24, 30, 156/2 and CCR A8B Resident Fonts Bitmap Bitmap 8, 8, 10, 12, 14, 18, 43, 30, 156/2 and CCR A8B Core 20'' (180', 20'' rotatable Dewinloadable Fonts Alain Fonts Jaar Codes Code 180, Code 31, K04 48, 15/ 13 did on 2, 8, 19, 12 of 5, 8, 12 of 5 & 12 of 5 with Shipping tere 8prs, Code 20 (26 - 180, 26 - 28), 12 of 5 & 12 of 5 with Shipping tere 8prs, Code 20 (26 - 28), 12 of 5 & 12 of 5 with Shipping tere 8prs, Code 20 (26 - 28), 12 of 5 & 12 of 5 with Shipping tere 8			Standard: Min. 1" (25.4mm) - Max. 4.64" (118mm)		
Media Dipensar / Revind: Max. 6.46" (13mm) Hickes Min. 0.03" (0.05mm)/Aux. 0.01" (0.25mm) Label Roll Max. 8" (203.2mm) outer diameter Core Min. 1.18" (30mm) Hight Max. 1470" (450m) Width Min. 1.18" (30mm)-Max. 4.33" (110mm) Core 1" (25 Armm) inner diameter Printer Language Tharo Programming Language (TPL). Zabra Emulation", Eltron Emulation" Sritvare 1" (25 ArMa) inner diameter Sritvare VP/VISD/WIAGUS 7.10, Mag. Linux True Type 65 A.10, 21, 41, 82, A1, 30, 1562 and CGR A&8 Resident Fonts 61 Binne fonts and single characters 90", 180", 270" rotatable Binne Binne fonts and single characters 90", 180", 270" rotatable Oownloadable Fonts 61 Finto 7.20", cold as AR M (31 did on 2 & 5), UPC A/E (add on 2 & 5), 12 of 5 & 12 of 5 with Shipping Bearer Bars, Codat Bar Codes 2.00 97, 130", 270" rotatable True Type Code 32, Code 33, EAN R/31 did on 2 & 5), UPC A/E (add on 2 & 5), 12 of 5 & 12 of 5 with Shipping Bearer Bars, Codat Bar Codes 2.00 97, 130", 270" rotatable True Type Code 37, Code 33, EAN R/31 did on 2 & 5), UPC A/E (add on 2 & 5), 12 of 5 & 12 of 5 with S		Width			
Thickness Min. 0.03 ⁴ (0.03 ⁴) (0.03 ⁴) <td colspan="2"></td>					
Core Min. 15* [38.1mm] diameter Ribbon Length Max. V476 (450m) Ribbon Max. 1476 (450m) Core 1* [25.4mm] inner diameter Printer Language Thato Programming Language (TPL), Zebra Emulation*, Eltron Emulation* Software Design Printer Language Thato Programming Language (TPL), Zebra Emulation*, Eltron Emulation* Software Design Priver XP/Xista/Windows 7:10, Max, Linux Software Design Diver XP/Xista/Windows 7:10, Max, Linux Tue Type C6, Triumister* (Bod, Linc, Londerfilo, 0), 50°, 100°, 270° rotatable Bitmap Bitmap fonts and single characters 90°, 180°, 270° rotatable Bitmap Bitmap fonts and single characters 90°, 180°, 270° rotatable Bitmap Bitmap (200, 220°, 100°, 220°, 20		Thickness			
Core Min. 15* [38.1mm] diameter Ribbon Length Max. V476 (450m) Ribbon Max. 1476 (450m) Core 1* [25.4mm] inner diameter Printer Language Thato Programming Language (TPL), Zebra Emulation*, Eltron Emulation* Software Design Printer Language Thato Programming Language (TPL), Zebra Emulation*, Eltron Emulation* Software Design Priver XP/Xista/Windows 7:10, Max, Linux Software Design Diver XP/Xista/Windows 7:10, Max, Linux Tue Type C6, Triumister* (Bod, Linc, Londerfilo, 0), 50°, 100°, 270° rotatable Bitmap Bitmap fonts and single characters 90°, 180°, 270° rotatable Bitmap Bitmap fonts and single characters 90°, 180°, 270° rotatable Bitmap Bitmap (200, 220°, 100°, 220°, 20					
Types Wax, Wax/Resin, Resin Ribbon Empti Max, 1476 (450m) Width Min. 1.187 (30mm) - Max, 4.33 (110mm) Core 1" (25.4mm) immer diameter, 33 (110mm) Printer Language Tharo Programming Language (TPL), Zebra Emulation*, Eltron Emulation* Software Design FREE EAST, ABCL* Start Bitmap Bitmap fonts and single characters 90 (180, 207 cottable Resident Fonts Bitmap Bitmap fonts and single characters 90 (180, 207 cottable Bitmap Bitmap fonts and single characters 90 (180, 207 cottable) Tore Type Downloadable Fonts Asian Fonts Cot frium/rare* (Bold, Halic, Underline) 0', 90', 180', 207 cottable Bar Codes 10x6, 24x2x, Traditional Chinese (BIG 5), Simplified Chinese(GB2312), Japanese (5-JIS, Korean (K5-X1001), 90', 180', 207 cottable Bar Codes 1-D Code 128 (subset A, B, C), EAN 128, MP 128, UCC 128, UCC/EAN 128 K-Mart, Random Weight, Post NET, ITF 14, China Code, HIBC, MSI, Plessey, Telepen, FIM, GSI Datalar, German Post Code, Planet 11 & 13 digt, Japanese Postnet, 12 of human readable fork digt, Standard 10 of 15, Indurinal 2 of 5, Lograns, Code1 10, Code 9, Codeblock 2-D POF417, Micro PDF417, Datamatrix, Maxicole, QR code, Micro QR code and Artec code Code Pages 1-D Code 128 (subset A, 8, 0, 5, S53, S60, 860					
Bibbon Max. 1476' (450m) Gore 12 (25.4mm) inner diameter Printer Language Thar 0 Programming Language (TPL). Zebra Emulation*, Eltron Emulation* Software Design FREE CAVLAGEL* Start. Besident Fonts Bitmap 68.10.12.1.4.18.2.8.3.0.16x25 and OCR A&B Resident Fonts Bitmap fonts and single characters 90', 180', 270' rotatable Bitmap Bitmap fonts and single characters 90', 180', 270' rotatable Bitmap Bitmap fonts and single characters 90', 180', 270' rotatable Downloadable Fonts Bitmap fonts and single characters 90', 180', 270' rotatable Bitmap Bitmap fonts and single characters 90', 180', 270' rotatable Downloadable Fonts Bitmap fonts and single characters 90', 180', 270' rotatable Bar Codes Code 39, Code 33, Code 33, CAN 8/13 (add on 2 & S), UPC A/E (add on 2 & S), 12 of 5 & 12 of 5 with Shipping Bearer Bars, Codat 1-0 Code 128 (subset A, B, C), EAN 128, RPS 128, UCC (2AN, 128, Mart, Random Weight, Post NET, IPT 4, China Code Pages 1-0 Code 128 (subset A, B, C), EAN 128, RPS 128, UCC 128, UCC/EAN 128, Mart, Random Weight, Post NET, IPT 4, China Code Pages 1-0 Code 128 (subset A, B, S), S52, S55, S57, S60, S60, S65, S66, S66, S69, 737, Windows 1250, 1251, 1252, 1253, 125, 1252, 125					
With Min. 1.18" (30mm) - Max. 4.38" (110mm) Core 1" (25.4mm) inmer diameter Printer Language Tharo Programming Language (TPL), Zebra Emulation*, Eltron Emulation* Software Driver XP/Visita/Windows 7.10, Max, Linux Resident Fonts Bitmap 6, 8, 10, 12, 14, 18, 24, 30, 163:26 and CCR A&B Bitmap Bitmap fonts and single characters 90; 180°, 270° rotatable Tore Type CG Triumvirate" (Bold, Halic, Underline) 0", 90', 180°, 270° rotatable Downloadable Fonts Asian Fonts True Type Got 2 (Core 2 a) Code 39, Code 93, EAN 8/13 (add on 2 & 5), UPC A12 of 5 & 12					
Core 1* (25.4mm) inner diameter Printer Language Thato Programming Language (TPL), Zebra Emulation*, Eltron Emulation* Software Design FREE EASTLABEL* Start Software Driver XP/Nital/Mindows 7-10, Mac, Linux Resident Fonts Bitmap fonts and single characters 90°, 180°, 270° rotatable Burnap fonts and single characters 90°, 180°, 270° rotatable True Type Burnap fonts and single characters 90°, 180°, 270° rotatable Contable, 270° rotatable Downloadable Fonts Bitmap fonts and single characters 90°, 180°, 270° rotatable Bar Codes Frue Type GC fullosal (Sec.5), Simplified Chinese(GB2312), Japanese (S-JIS), Korean (KS-X1001), 90°, 180°, 70° rotatable Bar Codes 1*D Gode 39, Code 39, EAN 8/13 (add on 2 & S), UPC A/E (add on 2 & S), 12 of 5 & 12 of 5 with Shipping Bearer Bars, Codet Code 128 (ubset A, B, C), EAN 128, RPS 128, UCC 128, UCC (128, UCC (128, UCC 128, CAP), 128, 128 and 128, 138, 138 (add on 2 & S), UPC A/E (add on 2 & S), 12 of 5 & 12 of 5 with Shipping Bearer Bars, Codet Code 218 (ubset A, B, C), EAN 128, RPS 128, UCC 128, UCC 128, UCC 128, UCC 128, CAP, 128, 148, 148, 148, 148, 148, 148, 148, 14					
Printer Language Tharo Programming Language (TPL), Zebra Emulation*, Eltron Emulation* Software Design FREE EASYLABEL* Start Software Driver KP/VistaWindows 7-10, Mac, Linux Resident Fonts Bitmap Bitmap fonts and single characters 907, 1807, 270° rotatable Bitmap Difference Color Trumwinzet** (Bold, Italic, Underline) 07, 907, 1807, 270° rotatable Downloadable Fonts Asian Fonts Ifacts, 2AA2, Traditional Chinese (BIG-5), Simplified Chinese (GB2312), Japanese (S-JIS), Korean (KS-X1001), 90°, 180°, 70° rotatable Downloadable Fonts Asian Fonts Ifacts, 2AA2, Traditional Chinese (BIG-5), Simplified Chinese (GB2312), Japanese (S-JIS), Korean (KS-X1001), 90°, 180°, 270° rotatable Bar Codes 1-D Code 39, Code 93, EAN 8/13 (add on 2 & 5), UPC A/E (add on 2 & 5), I 2 of 5 & 12 of 5 with Shipping Bearer Bars, Codeal 1-D Code 32 (subte A, B, C), EAN 128, RPS 128, UCC 128, UCC/EAN-128, KMart, Random Weight, Post NRT, ITF 14, China Code, HIGC 04D 28 (sb), EAK, B, C), EAN 128, SAS, 855, 857, 860, 861, 862, 863, 865, 866, 869, 737, Windows 1250, 1251, 1252, 1253, 121 (SSS, 1257, Unicode UTF8, UT168E, UT1616E 2-D PDF417, Micro PDF417, Datamatrix, Maxicode, QR Code, Micro QR code and Attec code Code pages Codenages 437, 850, 852, 855, 857, 860, 861, 862, 863, 865, 866, 869, 737, Windows 1250, 1251, 1252, 1253, 121 (SSS, 1252), 121 (SSS, 1252), 122 (SSS, 1					
Software Design FREE FAST/LABLE* Start Driver XP/Vista/Windows 7:0, Mac, Liux Resident Fonts Bitmap 6, B, 10, 12, 14, B, 24, 30, 16×26 and OCR A&B Bitmap Bitmap fonts and single characters 90', 180', 270' rotatable Downloadable Fonts Bitmap fonts and single characters 90', 180', 270' rotatable Bitmap Bitmap fonts and single characters 90', 180', 270' rotatable Downloadable Fonts Bitmap fonts and single characters 90', 180', 270' rotatable Bar Codes Tue Type 90', 180', 270' rotatable Code 208 (subset A, B, C), EAN \$13 (add on 2 & S), UPC A/E (add on 2 & S), 12 of 5 & 12 of 5 with Shipping Bearer Bars, Codat Code 208 (subset A, B, C), EAN \$13 (add on 2 & S), UPC A/E (add on 2 & S), 12 of 5 & 12 of 5 with Shipping Bearer Bars, Codat Code 208 (subset A, B, C), EAN \$13 (add on 2 & S), UPC A/E (add on 2 & S), 12 of 5 & 12 of 5 with Shipping Bearer Bars, Codat Code 208 (subset A, B, C), EAN \$13 (add on 2 & S), UPC A/E (add on 2 & S), 12 of 5 & 12 of 5 with Shipping Bearer Bars, Codat Code Pages Lob Altro PDF417, Micro PDF417, Datamatrix, Maxicode, QR code, Micro QR code and Attec code Code Pages Lob Altro PDF417, Datamatrix, Maxicode, QR code, Micro QR code and Attec code Code Pages USB 2.0 (B Type) Control Panel US					
Software Driver XP/Nits/Windows 7-10, Mac, Linux Resident Fonts Bitmap Bitmap fonts and single characters 90', 180', 270' rotatable True Type CG Triumvirate'' (Bold, Italic, Underline) 0', 90', 180', 270' rotatable Downloadable Fonts Asian Fonts Asian Fonts Firue Type Go Triumvirate'' (Bold, Italic, Underline) 0', 90', 180', 270' rotatable Downloadable Fonts Asian Fonts Firue Type 90', 180', 270' rotatable Firue Type 90', 180', 270' rotatable Bar Codes Po', 180', 270' rotatable Lo Code 38, Usbez A, B, Cj, EAN 18, 12 (add on 2 & 5), UPC A/E (add on 2 & 5), 12 of 5 & 12 of 5 with Shipping Bearer Bars, Code 128, Usbez A, B, Cj, EAN 128, RPS 128, UCC 128, UCC/EAN-128 K-Mari, Random Weight, Post Nter, TF 14, China Code 128, Usbez A, B, Cj, EAN 128, RPS 128, UCC 128, UCC/EAN-128 K-Mari, Random Weight, Post Nter, TF 14, China Code 128, Usbez A, B, Cj, EAN 128, RPS 128, UCC 128, UCC/EAN-128 K-Mari, Random Weight, Post Nter, TF 14, China Code 128, Usbez A, Sj, Sj, SS, SS, SS, SS, SS, SS, SS, SS					
Bitmap 6, 8, 10, 12, 14, 18, 24, 30, 16x26 and OCR A&B Resident Fonts Fire Type GG Triumvirate" (Bold, Italic, Underline) 0°, 90°, 180°, 270° rotatable Downloadable Fonts Bitmap fonts and single characters 90°, 180°, 270° rotatable Bitmap fonts and single characters 90°, 180°, 270° rotatable Control Parale Asian Fonts Kisla, 24x24, Traditional Chinese (BG-5), Simplified Chinese(GB2312), Japanese (S-JIS), Korean (KS-X1001), 90°, 180°, 70° rotatable Bar Codes True Type 90°, 180°, 270° rotatable Bar Codes 1-D Code 39, EAN 8/13 (add on 2 & S), UPC A/E (add on 2 & S), 12 of 5 & 12 of 5 with Shipping Bearer Bars, Codat Bar Codes 1-D Code 185 (subset A, B, C), EAN 128, RPS 128, UCC 128, UCC/EAN-128 K-Mart, Random Weight, Post NFT, IF 14, China Code, HIBC, MSJ, Song SB1, 862, 385, SB7, 860, 861, 862, 863, 866, 869, 737, Windows 1250, 1251, 1252, 1253, 122 Code Pages 1-D Code-pages 437, S0, SB1, 862, 355, SB7, 860, 861, 862, 863, 866, 869, 737, Windows 1250, 1251, 1252, 1253, 122 Interfaces USB 2.0 (B-Type) USB 2.0 (B-Type) Control Panel Serial Port R5-232 (DB-9) Color FTT LCD with navigation buttons Power on/Of button with dual color LED: READY/ERROR Control Rey : FELO/PAUSE/CANECL Color TFT LCD with navigation buttons P	Software				
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Humidity Storage 10-90% non condensing Agency Approvals CE (EMC), FCC Class A, CB, UL, cUL, CCC Dimensions L 20.15" (512mm) x H 11.45" (291mm) x W 10.78" (274mm) Weight 33 lbs. (15 Kg), excluding consumables and options Options Cutter Parallel port adapter (Centronics female 36-pin) Bluetooth External label rewinder Label dispenser + Internal rewinder	Humidity	_	, ,		
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*Specifications are subject to change without notice. All company and/or product names are trademarks and/or registered to their respective owners.					
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**Minimum Print Length and Maximum Print Speed may vary for non-standard media types. Tharo provides free testing of all media types prior to purchase	**Minimum Drin	t Length and Mavin	num Print Speed may vary for non-standard media types. Tharo pr	rovides free testing of all media types prior to purchase	

Tharo H-Plus Series Industrial Printer





Advanced PIN Pad **EPP810**

- Versatile payment PIN pad
- PCI approved for secure transactions
- User friendly ergonomics
- Rugged and durable
- Ideal for retail and financial applications





Durable design

Vandal proof and water proof , IK09 & IP65 Wide operation temperature range -20°C to 65°C

Easy to use

Provide RS232 & USB interface with 1 connector. Just need to plug the cable.

High performance

32bits RISC processor, with hardware crypto engine.



High security

PCI4.x Support MAC, Triple DES, ISO9564-1, DUKPT Tamper Evidence and Responsive



EPP810 Advanced PIN Pad

FEATURES AND BENEFITS

Advanced Security

PCI 4.0 approved. The EPP810 meets the highest levels of security measures to ensure transactions. Pins are protected by Triple DES, Master key/Session key or DUKPT key.



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SPECIFICATIONS

Electrical Processor Memory Power Requirement Interface Extendibility	32-bit processor Flash 256KB,SRAM 128KB +5VDC RS232(9,600-115,200bps)or USB 2.0 External 2 sets of 4x1 function keys, External beeper
Mechanical Dimensions Panel material Keypad	(L)122 x (W) 100 x (H) 32 mm Plastic Cover 10 numerical keys and 6 function keys. Key is made of stainless steel with color graphics text on function keys.
Environmental Operation Temperature Storage Temperature Operation Humidity Storage Humidity Vandal Resistant Water Resistant	-30°C to 70°C -20°C to 65°C 10% to 90% non-condensing 10% to 90% non-condensing Meet IK09 Meet IP65
Agency Approval	FCC/CE
Security Approval	PCI PTS 4.0
Performance Key Management Encrypting PIN block Generates MAC Encryption methhod	Master key / Session key and DUKPT key ANSI X9.8 format ANSI X9.19 standard TDES





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- Legacy Technology Services is a leading nationwide provider of mobile computing, barcode, printers and point of sale equipment and services.
- For over a decade, thousands of clients across North America have trusted us to provide equipment from leading manufacturers backed by the services to support them.

Latest Hardware from top manufacturers

• Legacy handles virtually every major manufacturer of mobile computing, barcoding and point of sale equipment.

Expert Repair and Maintenance services

· Legacy is one of the best repair facilities in North America

Discontinued product sourcing

• They don't make it anymore? Our inventory also includes manufacturer close-outs and discontinued equipment to support our clients legacy infrastructure.

Trade-in and Disposal services

- That old equipment laying around your facility may still have some value. Legacy routinely purchases equipment from our clients around the globe.
 - Data destruction
 - · Hardware disposal
 - Auditing services

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• Dedicated, highly trained account managers are here to answer all your questions and provide top notch service.

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