ODV-2D
THERMAL PRINTER VERIFIER

COMPLIANT VERIFICATION
DATA VALIDATION
EASY COMMUNICATION
DEPENDABLE DESIGN
Eliminate expensive compliance fees by producing 100% accurate barcodes, 100% of the time.

The ODV-2D is the industry’s first affordable, fully integrated solution with the ability to print, verify and validate 1D and 2D barcodes. Built on the robust T8000 printer platform, ODV-2D includes a built-in verifier that grades barcodes to ISO 15415, 15416 and 15426 standards and stores a detailed report of each transaction. Our exclusive technology reads each barcode, overstrikes the entire label of a rejected barcode, and reprints a new label. The ODV-2D delivers accelerated ROI by eliminating charge backs and fines for non-conforming labels. Advanced features allow it to integrate easily and quickly into existing applications.

**COMPLIANT VALIDATION & PRODUCTIVITY**
- Verifies full suite of 1D & 2D barcodes with up to 50 barcodes per label
- Prints up to 8ips with full barcode verification, grading and compliance verification reporting as well as barcode data validation
- Grades to ISO standards including Quiet Zone & Check Sum errors
- Full label back-up and overstrike
- Barcode “GPS” dynamically locates barcode, orientation & improved throughput
- Most affordable, fully integrated solution on the market

**EASY COMMUNICATION & NETWORKING**
- Most extensive suite of printer emulations in the industry
- PrintNet Enterprise Auto ID provides global or enterprise wide network access, control, update and reporting
- Supports Ethernet or WiFi & includes 802.11ac for faster communication & improved range
- Extensive and scalable security solutions

**DEPENDABLE DESIGN**
- Rugged metal enclosure with dampened hinges
- Built on the proven design of our most robust printer, the T8000
- Dual motor design for outstanding print quality & productivity
- Large 3.4” color display panel with intuitive menu and navigation keys
- Intelligent heat management for longer printhead life outstanding print quality even at top speeds
TIRED OF REJECTED SHIPMENTS AND COMPLIANCE FEES?

With a global increase in regulatory compliance standards and fines, it is more important than ever to ensure your products are labeled correctly with accurate barcodes. ODV-2D addresses these requirements with the ability to validate up to 50 barcodes per label INCLUDING 2D Barcodes.

The ODV-2D reads and grades every label based on ISO standards. When ODV-2D rejects a barcode, it strikes out the entire label and reprints it without operator intervention. At the end of the day you can generate a report directly from the printer with data on every label printed and graded. Archive that data and you’ll never pay compliance fees again!

WE BUILT A COMPLETE SOLUTION SO YOU DON’T HAVE TO

With the introduction of the ODV-2D we’ve eliminated the need for companies to piece together their own solutions from separate printers and validators. ODV-2D offers the industry’s first affordable, fully integrated solution with the ability to print, verify and validate 1D and 2D barcodes.

The ODV-2D is built on the proven design of our most robust printer, the T8000.

MANAGE YOUR ENTIRE ENTERPRISE FROM A SINGLE LOCATION

Printronix Auto ID Data Manager (part of the PrintNet Enterprise Suite) gives you the ability to dynamically record, archive and generate reports of scanned barcode data for each printer. With the addition of our robust printer management tool, you can pull reports for your entire enterprise as well as monitor and configure printers from anywhere in the world. You can also designate events and be alerted to printer issues via email, pager or mobile phone alerts. PrintNet Enterprise is available at no charge with the purchase of an ODV-2D printer.

COMBINING VERIFICATION WITH VALIDATION

The ODV-2D is the only product available that can validate and verify barcodes as they are printed. The data printed on the label is validated to match the data sent from the host. The barcode image is verified to comply with the ISO 15415, 15416 and 15426 standards.
**ODV-2D**

**SPECIFICATIONS**

**PRODUCT BENEFITS**
- High performance ARM Cortex-A9
- Die-cast aluminum frame w/metal door
- Transfer and direct printing
- 4" model configuration
- Asian Fonts (Andale and Premium)
- State-of-the-art WiFi connectivity
- Available in 203 DPI and 300 DPI
- Dual motor ribbon drive system
- 512MB RAM / 128MB Flash Memory
- ENERGY STAR Certified

**PRINTER SPECIFICATIONS**
- Max Print Speed: Picket Fence @ 8ips / Ladder / 2D @ 6ips (Independent of dpi)
- Print Method: Transfer and Direct
- Resolution: 203 DPI or 300 DPI
- Max. Print Width: 4.1" (104 mm)
- Printer Memory: 512 MB RAM / 128 MB Flash

**MEDIA SPECIFICATIONS**
- Media Type: Roll or Fan-Fold Labels, Tags, Paper, Film, Tickets
- Min. Media Width: 1" (25.4 mm)
- Max. Media Width: 4.5" (114.3 mm)
- Min. Media Length: 0.25" / 1.0" (Continuous/Tear-Off) / 0.5" (Peel-Off)
- Max. Media Length: 625 m
- Media Roll Core Diameter: 1.5" (37.5 mm) to 3.0" (76 mm)
- Max. Media Roll Diameter: 8.0" (209 mm)
- Media Sensing: Gap, Mark, Advanced Gap, Advanced Notch

**RIBBON SPECIFICATIONS**
- Ribbon Type: Wax, Wax/Resin, Resin
- Min. Ribbon Width: 1" (25.4 mm)
- Max. Ribbon Width: 4.5" (114.3 mm)
- Max. Ribbon Length: 625 m

**MEDIA HANDLING MODES**
- Standard Options: Continuous, Tear-Off Strip, Tear-Off
- Options: Peel-Off, Rewind, Cutter

**PHYSICAL CHARACTERISTICS**
- Width: 11.7" (297.2 mm)
- Height: 13" (330.2 mm)
- Depth: 22.1" (561 mm)
- Printer Weight: 37 lbs. (16.7 Kg)
- Shipping Weight: 46 lbs. (20.8 Kg)

**PRINTER LANGUAGE**
- IGP Languages: PGL/V2/G/TL/G/L/G/ST/G/D/EGL/MGL
- Line Printer Plus Languages: P-Series + XQ, Preprinter, Serial Matrix, Epson P.L., XML, and FTX SETUP
- IDPS: TN5250/TN3270
- PDF: Level 1.7, Postscript Level 3

**COMMUNICATION AND CONNECTIVITY / INTERFACE**
- Standard Interface I/O: Serial RS232, USB, and Ethernet 10/100BaseT Parallel, WiFi (802.11 b/g/n 2.4 GHz) (802.11 a/n/ac 5 GHz), GPIO
- Optional Interface: WiFi Security Protocol (two can be installed)
- WEP-40/128bit, WPA Personal (TKIP), WPA2 Personal (AES/CCMP, EAP-PEAP, EAP-TTLS, PEAPv0/EAP-MSCHAPv2, EAP-TLS Security Certificates

**BATTERY VALIDATION**
- Barcode Type: 1D & 2D
- Read Technology: SMIP Camera
- Barcode /PS: Yes
- Max Barcodes per label: 50
- Overstrike Area: Full label
- Validate Min. X-Dimensions: 10 mils
- Validate Max. X-Dimensions: 60 mils
- Barcode Orientation: 0°, 90°, 180°, 270°
- Barcode Grading: A, B, C, D, F
- Grading Report: Yes
- Validation Standard: Based on ISO 15415, 15416 and 15426 standards
- Data Capture: AutoID Data Manager
- BARCODE VALIDATION
- Operating Temperature: Direct Thermal w/o accessories: 23degF to 104degF (-5degC to 40degC)
- Thermal Transfer: 40°F to 104°F (5°C to 40°C)
- Operating Humidity: 20-85% Non-Condensing
- Storage Temperature: 23°C to 140°F (-5° to 60°C)
- Storage Humidity: 5 to 85% Non-Condensing
- POWER REQUIREMENT
- Line Input: Auto Range 90 - 264 VAC (48 - 62 Hz)
- REGULATORY COMPLIANCES
- Emissions: FCC, CE, CCC
- Safety: cTUVus, CE
- Environmental: RoHS, WEEE, Energy Star
- BARCODES SUPPORTED FOR VERIFICATION/VALIDATION
- 2D Barcodes: PDF417, PDF417 Truncated, PDF417 Micro, DataMatrix, Datamatrix (ECCE200), QR, Deleta Aztec
- FONT, GRAPHIC SUPPORT
- Graphic Formats: PCX, TIFF, BMP, PNG
- Font Technologies: Intellifont, TrueType, Unicode
- Asian Fonts (Optional SD card): Simplified Chinese, Japanese, and Korean
- Andale Fonts (Optional SD card): Simplified Chinese, Traditional Chinese, Korean, Japanese
- PDF/PostScript Level 3: 35 Fonts
- REMOTE MANAGEMENT SOFTWARE
- PrintNet Enterprise Suite
- Enterprise Grade Remote Management Solution
- OPTIONS AND ACCESSORIES
- * WiFi 802.11 a/b/g/n/ac (US/EU/_CAN/China)
- * Parallel Port Card
- * GPIO
- * TNS250
- * PDF/PostScript
- * IPDS
- * Rewind
- * Cutter
- * Protective Cover
- * Peel & Present
- * Premium Asian Font Cards
- * Premium Andale Font Cards
- * Andale Asian Font Cards
- * QCMC (SD Quick Change Memory Cards)

Contact your local Printronix Auto ID authorized reseller or EMEA_Sales@PrintronixAutoID.com

printronixautoid.com

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