PRINTRONIX®
AUTO ID

T6000

HIGH-PERFORMANCE THERMAL PRINTER

SPEED

VERSATILITY

RELIABILITY

The Powerful T6000 represents the next generation industrial, high-performance thermal barcode printer.

Setting new benchmarks for speed, print quality, validation and reliability, the T6000 is engineered with the singular mission of increasing true productivity and lowering compliance fees. Loaded with advanced features, validation technology, RFID capabilities and the most comprehensive emulation package available, the T6000 delivers supercharged performance for a wide array of applications.

SPEED

- Stellar quality print at lighting fast speed, clocking in at 14 ips

- Increased productivity at every shift as a direct result of the ARM Cortex-A9 controller, processing barcode data faster than ever before

- Ease-of-Use and an interactive screen reduces training and down time, helping your business focus on operational productivity

VERSATILITY

- Plug-n-Play in any operational environment, with the ability to be networked via the most comprehensive printer emulations in the industry

- Rugged design allows the T6000 to perform in even the most challenging environmental conditions

- Wide-ranging RFID support for On-Pitch, Short-Pitch and Standard Pitch to handle a variety of applications

RELIABILITY

- Exclusive validation solutions eliminate expensive compliance fees by producing 100% quality barcodes, 100% of the time

- Comprehensive WiFi security suite featuring the very latest protocols to block unauthorized access and ensure peace of mind

- Intelligent heat management system increases printhead life and improves barcode print quality while reducing operating costs

REAL WORLD BUSINESS APPLICATIONS THAT GIVE YOU THE EDGE ON YOUR COMPETITORS

- With industry-leading validation technologies like ODV that support the latest compliance labeling requirements your supply chain is now fortified with cutting-edge traceability applications that also eliminate costly compliance fines

- Easy integration in any legacy environment with full provisions for any Warehouse Management System helping you increase uptime and prevent loss of productivity

- Powers through the most rigorous shifts while handling multiple label applications- from 'Pick and Pack' support and cross-docking applications to labels for cases, pallets, packages, shipment slips, invoices, etc.

POSTSCRIPT/PDF FOR YOUR MOST COMPLEX LABELING NEEDS

- The T6000 is engineered to support all major ERP systems

- Plug-n-Play with native SAP drivers to expand your operational abilities

- Full range of fonts and symbols gives you the tools required to customize your labels to suit your unique application and environment

PRINTNET ENTERPRISE AUTO ID:

- Printronix Auto ID provides a unique remote printer management tool to monitor, configure and support printers from anywhere in the world

- Instant email and mobile phone alerts allow you to mitigate issues or designate events in real-time, maintaining continuous network health and peak performance

- Fully compatible with any Printronix Auto ID product

GENUINE PRINTRONIX SUPPLIES:

Our commitment to your particular application does not end at your printer. Instead, our promise of reliability continues throughout the life of your application and with every single printout. Genuine Printronix Supplies meet the stringent performance standards required by our printers and ensure optimum performance at every shift, every single day. With extensive manufacturing capabilities and multiple distribution points, our product experts can deliver custom solutions for a wide variety of applications.

SAY GOODBYE TO BAD BARCODES. With compliance fines as high as $10,000, it is more critical than ever to print clean, readable barcodes. Online Data Validator (ODV) reads every barcode as it's printed. And if there is an error, the printer strikes through the bad barcode and reprints a new one.

T6000

SPECIFICATIONS

PRODUCT BENEFITS

* High performance ARM Cortex-A9
* Die-cast aluminum frame w/metal door
* Transfer and direct printing
* 4" and 6" model configurations
* Premium Asian and Andale font support
* State-of-the-art WiFi connectivity
* Available in 203 DPI and 300 DPI
* 512MB RAM / 128MB Flash Memory
* 4-32 GB SD memory card capability
* ENERGY STAR Certified

PRINTER SPECIFICATIONS

Max Print Speed (4"/6")	14/12 IPS @ 203 DPI; 12/10 IPS @ 300 DPI
Print Method	Transfer and Direct
Resolution	203 DPI / 300 DPI
Max. Print Width	4.1" (104mm) / 6.6" (168mm)
Printer Memory	512MB RAM / 128MB Flash

MEDIA SPECIFICATIONS

Media Type	Roll or Fan-Fold Labels, Tags, Paper, Film, Tickets
Min. Media Width (4"/6")	1" (25.4mm)/2" (50.8mm)
Max. Media Width	4.5" (114.3mm) / 6.8" (172.7mm)
Min. Media Length	0.25" / 1.0" (Continuous/Tear-Off) / 1.0" (Peel-Off)
Max. Media Length	Up to 99"
Media Thickness	2.5 Mil (0.0025") to 10 Mil (0.010")
Media Roll Core Diameter	1.5" (37.5mm) to 3.0" (76mm)
Max. Media Roll Diameter	8.0" (209mm)
Media Sensing	Gap, Mark

RIBBON SPECIFICATIONS

Ribbon Type	Wax, Wax/Resin, Resin
Coating	Coated side in, coated side out
Min. Ribbon Width (4"/6")	1" (25.4mm)/2" (50.8mm)
Max. Ribbon Width (4"/6")	4.5" (114.3mm)/6.8" (172.7mm)
Max. Ribbon Length	450 Meters

PHYSICAL CHARACTERISTICS

Width (4"/6")	10.9" (276.9mm)/14.1" (358.1mm)
Height (4"/6")	12.3" (312.4mm)/12.4" (314.9mm)
Depth (4"/6")	20.3" (515.6mm)/20.3" (515.6mm)
Printer Weight (4"/6")	33.6 lbs. (14.5Kg)/39 lbs. (17.4Kg)
Shipping Weight (4"/6")	42.6 lbs. (18.6Kg)/48 lbs. (21.5Kg)

PRINTER LANGUAGE

IGP Languages	PGL/VGL/ZGL/TGL/IGL/STGL/DGL/IEGL/MGL
Job Control Languages	PJL, XML, and PTX-SETUP
Optional Languages	IPDS
	TN5250
	PDF Level 1.7, Postscript Level 3

COMMUNICATION AND CONNECTIVITY/INTERFACE

Standard Interface I/O	Serial RS232, USB, and Ethernet 10/100Base T
Optional Interface I/O	Parallel, WiFi (802.11a/b/g/n), GPIO
WiFi Security Protocol	WEP 40/128bit, WPA Personal (PSK),
	WPA2 Personal (PSK) and Enterprise (AES CCMP)
	EAP-TLS, EAP-TTLs, PEAPv0/MS-CHAPv2, PEAPv1
	EAP-MD5

MEDIA HANDLING MODES

Standard	Continuous, Tear-Off Strip, Tear-Off
Options	Peel-Off, Cut, and Rewind

BARCODE VALIDATION

Online Data Validator (ODV)	Validates, Grade, Report, and Overstrike bar codes
	Supports 1D Barcodes (Picket Fence)
	Compatible with RFID encoding

RFID

UHF EPC Gen2 / ISO18000-6C	Multi-position RF antenna, Advanced Printer Encoder
	Firmware encodes and validates Gen2 compliant tags
	On-Pitch label to 0.625 in (depending on inlay)
	PGL, ZPL, STGL, MGL language support
	Counters track good / bad label encoding

OPERATING ENVIRONMENT

Operating Temperature	40 to 104°F (5 to 40 °C)
Operating Humidity	20 - 85% Non-Condensing
Storage Temperature	-40 to 140 °F (-40 to +60 °C)
Storage Humidity	5 - 85% Non-Condensing

POWER REQUIREMENT

Line Input	Auto Range 100 - 264 VAC (48 - 62 Hz)

REGULATORY COMPLIANCES

Emissions	FCC, CE, CCC
Safety	cTUVus, CE, EAC, SABS, RCM, CCC, KCC, S-MARK, NOM
Environmental	RoHS, WEEE, Energy Star
Radios (WiFi/RFID)	FCC, CE, IC, and others based on market need

BAR CODE SYMBOLOGIES

1D Barcodes	BC-412, Code 11, Code 39, Code 35, Code 93, Codabar, Code128 Subsets A/B/C, Industrial 2 of 5, Interleave 2 of 5, German I-2/5, EAN-8, EAN-13, UCC/EAN-128, UPC-A, UPC-E, UPCSHIP, UPS 11, MSI, Matrix 2 of 5, PLESSEY, POSTNET, 4-state PostBar, Australian 4-state, FIM, ITF14, TELEPEN, PLANET, USPS Intelligent Mail, LOGMARS
2D Barcodes	PDF-417, MicroPDF-417, Maxicode, DataMatrix, QR Codes, Aztec, GS1 Databar (RSS-14)

FONT, GRAPHIC SUPPORT

Graphic Formats	PCX, TIFF, BMP, PNG
Font Technologies	Intellifont, TrueType, Unicode
Standard Fonts	OCRA, OCRB, Courier, Letter Gothic, CG Times, CG Triumvirate/Bold/Condensed
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 Auto ID	Enterprise Grade Remote Management Solution

OPTIONS AND ACCESSORIES

* WiFi 802.11 a/b/g/n (US/EU/CAN)
* Parallel Port
* GPIO
* TN5250
* PDF/PostScript
* IPDS
* Online Data Validator (ODV)
* Rewind 4"/6"
* Heavy Duty Cutter 4"/6"
* Peel & Present 4"/6"
* Premium Asian Font Cards
* Andale Font Cards
* QCMC (SD Quick Change Memory Card)
* UHF RFID (US 902-928MHz, EU 866-868MHz)

Contact your local Printronix Auto ID authorized reseller.

PRINTRONIX
AUTO ID

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PRINTRONIX®
AUTO ID

ODV

ONLINE DATA VALIDATION

100 % ACCURACY

BARCODE VALIDATION

IMPROVED PRODUCTIVITY

ODV delivers 100% Scanable Barcodes, 100% of the Time

Our exclusive Online Data Validation (ODV) eliminates compliance fees with automatic, 100% barcode validation. ODV recognizes when a bad barcode is printed, strikes through the bad barcode and reprints it. Available on the T6000 and T8000 thermal printers, ODV ensures that all barcodes meet the most stringent scanning standards.

100% ACCURACY

- Deliver 100% accurate, scanable barcodes, 100% of the time

- Eliminate non-compliance or charge back fees

- Eliminate delayed or refused shipments.

- Overstrikes bad barcodes and reprints the label, even sequential labels.

IMPROVED PRODUCTIVITY

- Reduce labor costs and downtime with an unattended solution

- Fully automated solution keeps production lines up and running

- Analyzes each barcode immediately with minimal effect on throughput

- ODV action takes place without any host program modification.

WE WATCH YOUR BARCODES SO YOU DON'T HAVE TO

Barcoded labels are the intelligence in today's fast moving supply chains. Attached to every product, they propel goods and information from the manufacturing facility to the retailer's shelf. In every industry, barcoded labels are the key to efficiency.

HOW ODV TESTS THE BAR CODES

ODV takes the following steps to test each barcode image:

- ODV analyzes the incoming data stream and finds every barcode command on each label.
- The label is printed and each barcode image is scanned and tested to its symbology specifications.
- ODV correlates every barcode test result with the incoming data stream's barcode commands.
- If all the barcodes meet specifications, the label is good and ready for use. If the label does not meet specifications, ODV uses its data stream analysis to overstrike the "bad" label and print a "good" replacement label.
- ODV action is automatic and takes place without any host program modification.

In summary, Printronix' Auto ID Online Data Validation is a tool that can save you time, money and stalled productivity. It evaluates every barcode label to provide total scanning assurance, and eliminates the need for costly human intervention in the barcode validation process.
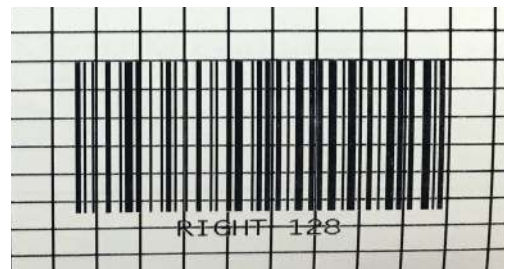
AUTO ID DATA MANAGER

Since bar codes have such an impact on supply chain efficiency, Printronix Auto ID has developed a closed-loop quality control system that monitors the barcoding process. Auto ID Data Manager is the Printronix solution for fully automated barcode quality control. Now you can:

- Capture and display all barcode quality data, by label and by barcode, an invaluable tool for applying maintenance remedies.
- Minimize downtime, capture and display detailed validation information to get to the heart of any problem instantly.
- Capture and display the actual data within each barcode, to provide further assurance that critical data, such as serialized barcodes, print correctly.
- Allow for all data to be viewed online, stored in a file, or exported to a database in real time, to provide a true ISO9000 or QC archive.
- Save "snap shots" of the data in CSV or XML format, to quickly isolate problem labels.
- Use Printronix Auto ID Data Manager with multiple concurrent ODV connections, to assure maximum quality control in high-volume environments.
- Place printers into fault conditions for either barcode quality or data failures, to ensure that bad data will never will enter your system.

T6000 strikes through approximately 1" of the "bad" label then reprints it.

LEFT 39

LEFT 39

T8000 strikes through the entire "bad" label then reprints the label correctly.

RIGHT 128

RIGHT 128

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ODV

SPECIFICATIONS

BAR CODES SUPPORTED

Code 39
CODABAR
Interleafed 2 of 5
Code 93
Code 128
UPC/EAN plus add-ons
PDF417 (Limited)*
Checks linear start and stop bar only

LABEL REQUIREMENTS

Quiet Zone	Minimum: 10 times x-dimension
Barcodes per Line	Up to 4 codes on the same horizontal line
Barcodes per Form	Up to 99 codes per form
Barcode Orientation	Picket fence only
Horizontal Spacing	Minimum of 0.50" between codes on the same horizontal line
Barcode Height	Minimum bar code height is 0.13"
TOF to TOF Minimum Distance	0.50"

ODV SCAN MODE	SMALL WIDTH (4")	STANDARD (DEFAULT, 6")	WIDE WIDTH (8")
Scan Width*	4.50"	6.50"	8.50"
X-Dimension (min.)	6.6 mil	10 mil	13 mil
Min. Code Height	0.13"	0.14"	0.20"

* This scan width can be positioned anywhere across the label.

PRINT RUN REPORT

Number of forms printed
Number of bad forms
Bar width deviation of last bar code
Number of codes printed
Average bar width deviation

VALIDATION ERROR ACTIONS

Retry Form (default)
Stop and Retry
Grade and Report
Rescan Form
Rescan and Retry
Rescan and Stop
Overstrike, Stop

VALIDATION ERROR NOTIFICATION MODES

Printer Display
Printer Audible Alarm
Printer Status Light
Remote Notification

TELEMETRY REPORTS

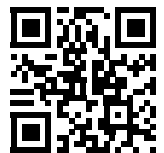|	
Telemetry Path	Network Port
Data Contents (Selectable)	
- Short	Pass/Fail quality results
- Validation	Pass/Fail quality results + actual decoded data
- Full	Validation + all measured parameters

AGENCY CERTIFICATIONS

cTUVus, CE
Class 2 Laser Product

Contact your local Printronix Auto ID authorized reseller.

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