



Linear, Barcode Decoding Chip Set

The ST9600 is for Original Equipment Manufacturers (OEMs) only, designed to add barcode reading capability to OEM products with minimal external support circuitry. JADAK offers integration and engineering assistance for the ST9600 Barcode Decoder chipset.

Features & Benefits:

- Bi-directionally Auto-Discriminates 12 Standard Barcode Symbologies
- TTL ASCII Serial Interface
- Runs External Programs for Auxiliary Functions (e.g. Display Driving)
- Medical equipment
- Clinical chemistry instruments
- Analytical chemistry instruments
- Test and measurement apparatus
- Materials handling equipment
- Robotic systems
- Image management products
- Portable data terminals
- Computer and terminal keyboards
- Point of Sale terminals

Performance	
Microcontroller:	Intel 80C51FA (CMOS)
Compatible Input:	Digital Barcode Input (TTL); 2 Untriggered (Wand); 1 Triggered (Laser/CCD)
Scan Rate:	Laser Input Device: Max 40 scans/sec Wand Input Device: 3-400 in/sec (7.6-1016 cm/sec) on 7.5 mil code
Mechanical / Electrical	
Interface Voltage Supply:	+5V DC
Current Draw (without scanners):	Active Mode: 15 mA Idle Mode: 5 mA
Environmental / Other	
Operating Temperature:	0°C to 70°C (-32°F to 155° F)
Storage Temperature:	-65°C to 150°C (-85°F to 302°F)
Availability:	9600/A-1: Non-stocked part, call for availability 9600/B-1: Stocked part Custom Decoder Chipset Also Available (H8 architecture)
Packaging:	Leaded: 40 Pin DIP (p/n 9600/A-1) Surface Mount: 44 Pin (PLCC (p/n 9600/B-1)
Symbologies	
	Code 39, Codabar, Code 128, Code 16K, Interleaved 2/5, Industrial 2/5, Matrix 2/5, Code 11, UPC, EAN, MSI, Plessey, K Code & WA Code (for barcode menuing)

ABOUT JADAK:

JADAK, a business unit of Novanta, is a market leader in machine vision, RFID, barcode, printing, and color and light measurement products and services for original equipment manufacturers. The company designs and manufactures embedded detection and analysis solutions that help customers solve unique inspection, tracking, scanning and documenting. The company is ISO 9001 and ISO 13485 registered.

Novanta is a trusted technology partner to OEMs in the medical and advanced industrial technology markets, with deep proprietary expertise in photonics, vision and precision motion technologies.

