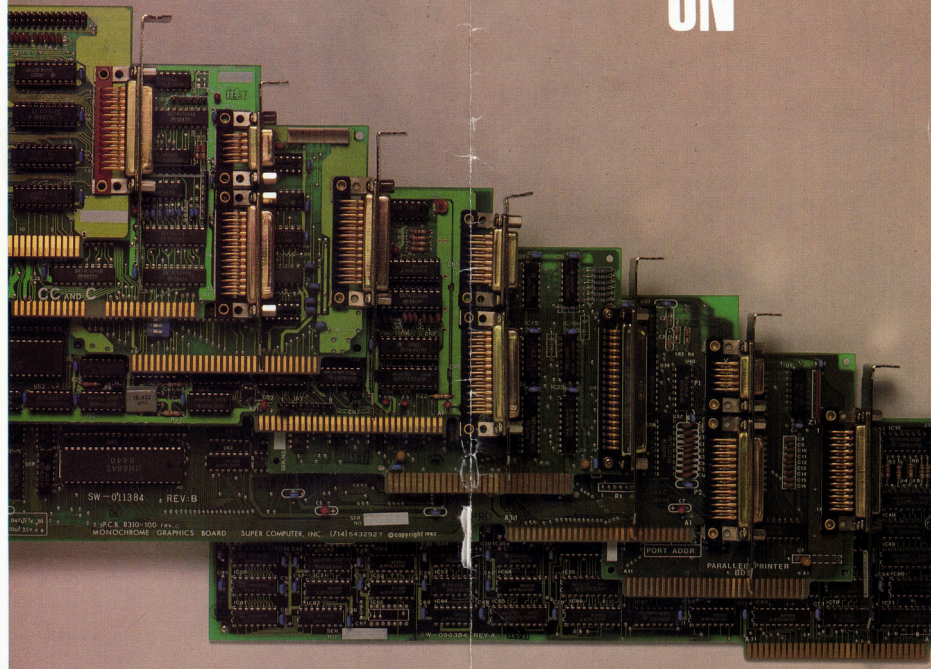


CC&C
CALIFORNIA
COMPUTER &
COMPONENT, INC.

QUALITY ENHANCEMENT TO RELY ON

CC&C CATALOG '85



**CC&C**

CALIFORNIA
COMPUTER &
COMPONENT, INC

The Company:

Introducing CC&C, a high-technology designer and manufacturer of peripheral hardware and software expansion products. The keystone of our business philosophy is to combine the highest technology, with an affordable price, in concentrated products that fulfill the most possible user needs. This catalogue details those products.

Our Goal:

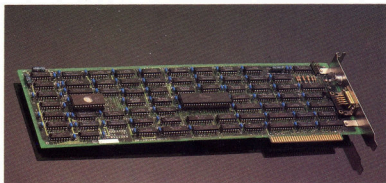
The standards we set ourselves are high but we believe we have the capabilities to match them. Our management team combine a strong background of both business and engineering expertise and this has enable us to keep performance and price. Thinking up a good idea is one thing and realizing it in a reliable product another. Only hard work and ingenuity has enabled us to bring our concept ideals to product completion and this in highly concentrated packaging for lower cost.

Our research and development team also aim to give you product integratability, within the CC&C family of products and without, by making our products compatible with those of other leading manufacturers.

Customer Satisfaction:

And you can be sure that the quality goes in before we think about the price. All our boards undergo a dynamic 72 hour burn-in test, after continual testing at every stage of the production process. However, our belief is that the best guarantee of reliability is excellence of product design. An excellence we consciously aim for. And our confidence in our products is such that we give you a one year warranty on all our boards. A quality you can rely on year in and year out-in other words, reliability.

If you want to get ahead of your competition you need the means to do it and the means we offer you are way ahead of our competition. Performance plus price; CC&C, your natural choice.



LDA-1440 Letter Quality Display Adapter

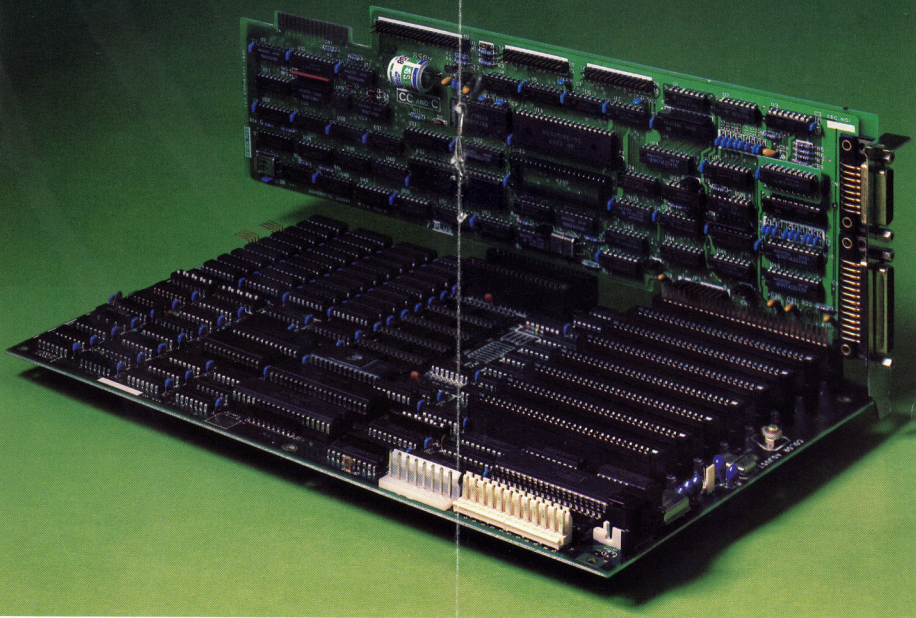
The LDA-1440 eye-compatible monochrome display adapter that features clean, sharp, vivid print, above and beyond any dot-matrix produced print you've ever seen.

If you've been looking for a monochrome monitor display adapter, that will enable you to synchronize your monitor screen print-outs, with those from new market leading letter-quality dot-matrix printers, look no further. The LDA-1440, with its razor-sharp clarity print is the ideal solution. Its 32 MHz oscillator for precision and constancy of signal transmission complements the new high density dot-matrix to give you a text, that's pleasing to the eye, and more importantly easy to read-even at the end of a long session. The LDA-1440 is of course fully compatible with the standard PC monitor, and you don't need any special software initialization package. Its display buffer contains 4Kb of highspeed static memory that can supply your PC's monitor simultaneously with up to 2,000 characters in a display format of 80 characters by 25 rows with blinking, blanked, underline, intensity and reverse video character attributes. It comes with an optional display adapter, a color/graphics monitor adapter, and a parallel printer port. Another special feature of the LDA-1440 is its inclusion of 256 total character sets.

Feast your eyes on the resolution, before making your decision not to settle for second best-especially when it means a higher price. Choose the monitor adapter that will help make computer-induced eye-strain a the past. ... the LDA-1440.

Features

- 18.432 KHz horizontal rate
- 32 MHz high frequency oscillator for high resolution screen display
- Displays 80 characters by 25 rows in a screen format of up to 2,000 characters
- Blinking, blanked, underline, intensity and reverse video character attributes
- 8Kb (4Kb x 2) of screen memory for alphanumeric and graphics information supporting direct memory access (DMA) operations
- Display buffer containing 4Kb of high speed memory
- Data supply rate of 1.8 mb/sec
- 14x9 character in an 18x14 field
- 256 total display characters
- Choice of two character styles from bold, italic and normal
- Character fonts in a 2764 type 8Kb EPROM make custom character sets easy
- Direct drive output
- PC compatible lightpen interface
- Optional parallel printer port fully compatible with the PC parallel printer adapter
- Operates with any 18.432 KHz PC



X Turbo Board™ :

- On-Board 8088-2 Processor
- Optional Configuration of 8087-2 Numeric Processor
- On-Board Maximum RAM Capacity of 640K
- Extended Rom Capability of 8K BIOS and 40K for basic or other programs
- Peripheral Support Circuits as on PC
- Configuration Switches as on PC
- Eight PC Compatible I/O interface SLOTS
- Standard Key-Board interface
- Speaker/Audio Port
- Two LED Ports for Turbo and

Power level indication

- PC Compatible Power Connectors
- All features — including board size — same as PC

7 plus™ — MFC 7001 (Multifunction Card)

When you use X Turbo Board™ with the 7 Plus™ multifunction card it makes up the most advanced and compact system available. Seven Reasons for the 7 Plus™ :

- To leave as many of your expansion slots as possible free for future use.
- To minimize your component cost in completing your system.
- To reduce your installation time.
- To maximize your computer productivity.
- To keep your system's temperature down.
- All the functions that the ideal PC should possess.
- And finally our desire to set an industry all-in-one Standard.

The most advanced system:

The advantages of using the X Turbo Board in conjunction with the 7 Plus are many. It contains all the functions you need in one system — the X Turbo System.

- 640K on board.
- 2 Serial Ports
- Parallel Printer Port
- Game Port
- Clock Calendar
- Printer Spooler
- Ram Disk
- 4 Floppy Disk Controllers

X Turbo System is highly compatible with both software and hardware designed for IBM PC/XT.

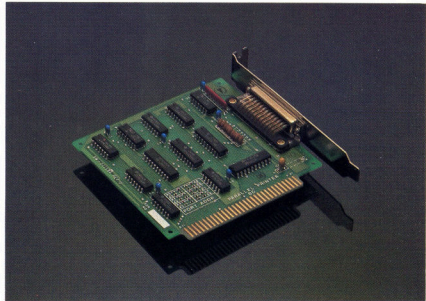
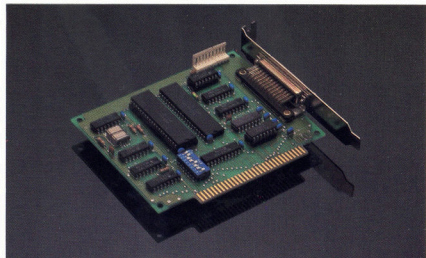
SIC-025I Serial Interface Card

The SIC is fully programmable and supports PC asynchronous communications. The adapter can be expanded to include a second serial port if you are already utilizing one or more serial ports provisions have been made on the asynchronous communications adapter to enable the selection of alternative I/O address locations and interrupts. We have included additional memory IC's and an external adapter cable in the printer circuit board for this purpose. By attaching a modem you will give your-

self the possibility of telephonic inter-computer communication and by connecting a serial printer the SIC will produce the highest quality printout.

Features

- EIA RS-232C interface
- INS 8250 async controller
- Baud rate generator operating up to 9.6K baud
- Additional memory IC's and an external adapter cable.
- Additional second serial port
- Adjustable port address and interrupt



PPC-025I Parallel Printer Card

Special designed to connect your PC up to a printer, which, if it uses a dot-matrix output will produce high speed, quality printouts; the card can also function

as a general input/output port for any device or application that matches its input/output capabilities. It also has a port address adjustment capability.

Authorized Dealer

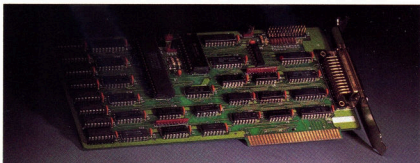
PBC-064i Printer Buffer Plus

The Buffer Plus contains 64K of Dynamic RAM and has been designed with a parallel port interface so that it can operate both as a buffer and fulfill the function of a normal PPC, its on-board microprocessor makes the Buffer Plus uniquely independent and self-contained while the 64K RAM transmitting capacity will save you invaluable time on your print-outs. Where the 2K buffer capacity on normal printers would mean 32 time-consuming trips the buffer plus takes only the one 64K transmission. It more than emulates the leading PC's PPC in every way and at the same time gives you that pre-requisite

of business efficiency-speed. Whether you are now using a monochrome PPC or a normal color PPC, integrating the Buffer Plus with your system by overriding the printer output prioritized port addresses is easy with the Buffer Plus Software diskette we include with the Buffer Plus.

Features

- On-board Z-80A microprocessor
- Standard D-type 25-Pin output
- 64K DRAM
- Memory capacity testing point
- Buffer Plus Software diskette



IPS-135, IPS-200 Switching Power Supply From SourceTek®

IPS-135 and IPS-200 are four output high quality and high reliability switching power supply. IPS-135 can deliver up to 135 watts of continuous power or 150 watts on a transient basis. IPS-200 can deliver up to 200 watts of continuous power.

Features

- Designed to meet UL 478, UL 1012 specifications

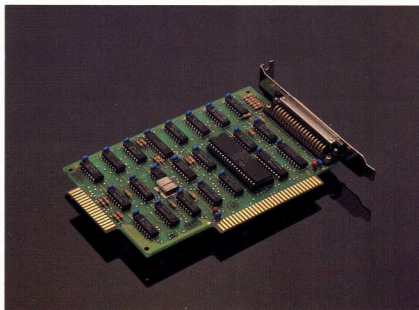
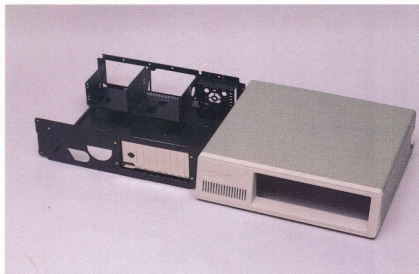
- Input EMI filtered to meet FCC part 15 class B specifications
- Standard dual AC inputs (115/230VAC)
- Overheat, overvoltage, Overload protections
- Noise minimized by high speed semiconductors
- Short circuits protection on all outputs

MSC-I Computer Case

Heavy duty steel computer case to fit X turbo board and other compatible boards. This case has meet FCC requirement to minimize radio noise. The paint on surface has also meet industry standard - impact resistance.

Features

- Easy to open, easy to install
- 2 floppy drives, 1 hard disk or 1 tape drive window
- Exact specifications to fit PC/XT
- All parts included for installation



FDC-500i Floppy Disk Control Card with Cable

This write-protected floppy disk control card can handle two internal and two external floppy disk drives simultaneously and supports both the standard PC and CP/M formatted disks. Its dis-

kette drive adapter emulates the NEC PD 765 FDC controller and functions as a high level command interface to software I/O drives.



CALIFORNIA
COMPUTER &
COMPONENT, INC.

2001 W. CHESTNUT STREET
ALHAMBRA, CA 91803
TEL: (818) 576-1621
TLX: 285653

COMPUTER CONTROL SYSTEMS INC.
Route 3 Box 168
Lake City, FL 32055

June 11, 1985

Dear Sirs:

We are glad to receive your new address notice card. Enclosed please find the flyers describing technical specifications together with latest price list for your kind perusal.

The price information you have is the current list price. OEM inquiries are welcome. Dealer package is also available. All of these items are currently in stock and are ready for immediate shipment.

We are sure that these items will meet your requirement. If you need further information or have any questions, please feel free to contact me at your convenience.

Sincerely yours,

A handwritten signature in cursive script that reads "Christine Lee".

Christine Lee
Sales Representative
(818) 576-1621

CL/sf

Encl.



CALIFORNIA
COMPUTER &
COMPONENT, INC.

2001 W. CHESTNUT STREET
ALHAMBRA, CA 91803
TEL: (818) 576-1621
TLX: 286653

DEALER PRICE LIST

=====

DEALER: (818) 576-1621

SERVICE: (818) 576-1624

(EFFECTIVE JUNE 10, 1985)

ITEM NAME	DESCRIPTION	25+	11-24	1-10	LIST
CBC-064i	COLOR GRAPHIC CARD	78.00	83.00	90.00	135.00
FDC-500i	DISK CONTROL WITH CABLE	40.00	44.00	48.00	72.00
IPS-135W	135W SWITCHING POWER SUPPLY	75.00	85.00	100.00	140.00
IPS-200W	200W SWITCHING POWER SUPPLY	95.00	115.00	130.00	170.00
LDA-1440	LETTER QUALITY MONOCHROME ADAPTER	103.00	111.00	134.00	165.00
MDA-2000	MONOCHROME DISPLAY ADAPTER W/ PRINTER PORT (NO GRAPHICS)	78.00	83.00	90.00	160.00
MFC-384i (8 PLUS)	MULTIFUNCTION CARD W/ 0 K MEMORY EXPANDABLE (OK-384K)	110.00	120.00	130.00	199.00
MFC-700i (7 PLUS)	MULTIFUNCTION CARD, 1 PARALLEL, 2 SERIAL (ONE IS OPTIONAL), CLOCK CALENDAR, GAME PORT FLOPPY CONTROLLER, RAM DISK, RAM BUFFER	150.00	170.00	190.00	250.00
MGC-720i	MONOCHROME GRAPHIC CARD	99.00	107.00	116.00	165.00
MSC-I	COMPUTER CASE (WITH SPEAKER)	51.00	56.00	60.00	85.00
MSC-III	COMPUTER CASE FOR XT TURBO WITH 2 L.E.D.	55.00	61.00	70.00	90.00
PBC-064i	PRINTER BUFFER CARD	60.00	72.00	85.00	125.00
PPC-025i	PARALLEL PRINTER CARD	25.00	28.00	33.00	45.00
SIC-025i	SERIAL INTERFACE CARD	29.00	35.00	40.00	55.00
MIRAT-5001	X TURBO BOARD (64 K)	265.00	280.00	295.00	399.00
MIRAT-5001	X TURBO BOARD (256 k)	290.00	305.00	320.00	459.00
MIRAT-5001	X TURBO BOARD (640 k)	325.00	335.00	355.00	569.00

1. PRICE AND QUANTITY SUBJECT TO CHANGE.
2. PRICE IS BASED ON ONE SHIPMENT.
3. DELIVERED BY UPS.



CALIFORNIA
COMPUTER &
COMPONENT, INC.

2001 W. CHESTNUT STREET
ALHAMBRA, CA 91803
TEL: (818) 576-1621
TLX: 285653

TURBO XT

ORDER: (818)576-1621

SERVICE: (818)576-1624

SYSTEM PRICE LIST

(EFFECTIVE: JUNE 10, 1985)

	25+	11-24	6-10	2-5	DEALER
X TURBO SYSTEM 640K:	-----	-----	-----	-----	-----
	1050.00	1160.00	1200.00	1260.00	1440.00

X TURBO 640K
7 PLUS MULTIFUNCTION CARD
2 HALF HEIGHT FLOPPY DRIVES
COLOR GRAPHIC CARD
KEYBOARD (83 KEY)
CASE/ 135W POWER SUPPLY

1. ALL SYSTEM INCLUDE COMPLETE PACKAGING.
2. SYSTEM MANUAL INCLUDED (HARD COVER)
3. ORDER VOLUME UNDER 5, REQUIRE 2 DAY BEFORE SHIPPING.
4. LARGE ORDER REQUIRE 7-10 DAYS BEFORE SHIPPING.
5. OEM QUANTITY REQUIRE 1 MONTH LEAD TIME.
6. DELIVERED BY UPS.
7. PRICE AND QUANTITY SUBJECT TO CHANGE WITHOUT NOTICE.

APPLICATION FOR A NEW ACCOUNT

California Computer & Component, Inc.
2001 W. Chestnut St.
Alhambra, CA 91803

COMPANY NAME _____ DATE CALLED _____

ADDRESS _____ DATE MAILED _____

CITY _____ STATE/ZIP _____ CORPORATION _____

RETAIL _____ O.E.M. _____ MAIL ORDER _____ OTHER _____ PARTNERSHIP _____

FULL NAME OF PRINCIPALS (OWNERS AND/OR OFFICERS) _____ PROPRIETOR _____

1. _____ TITLE _____ OTHERS _____

HOME ADDRESS _____ CITY _____

ZIP _____ HOME PHONE _____ S.S.# _____

DR. LIC# _____ DATE EMPLOYED OR BECAME OWNER _____

2. _____ TITLE _____

HOME ADDRESS _____ CITY _____

ZIP _____ HOME PHONE _____ S.S.# _____

DR. LIC# _____ DATE EMPLOYED OR BECAME OWNER _____

3. _____ TITLE _____

HOME ADDRESS _____ CITY _____

ZIP _____ HOME PHONE _____ S.S.# _____

DR. LIC# _____ DATE EMPLOYED OR BECAME OWNER _____

TYPE OF OUTLET _____ ESTABLISHED SINCE _____

BANK REFERENCE: _____ ACCOUNT # _____

BANK ADDRESS _____

BANK OFFICER WHO MAY EXPEDITE _____ PHONE # _____

TRADE REFERENCE: _____

1. FIRM _____ PHONE # _____

ADDRESS _____

OFFICER _____ CREDIT LIMIT _____

2. FIRM _____ PHONE # _____

ADDRESS _____

OFFICER _____ CREDIT LIMIT _____

3. FIRM _____ PHONE # _____

ADDRESS _____

OFFICER _____ CREDIT LIMIT _____

RESALE NO. (inside california) _____

BUSINESS LICENSE (outside california) _____

AUTHORIZED SERVICE ON FOLLOWING PRODUCTS _____

PRODUCTS CARRIED:

PRODUCTS INTERESTED IN:

COMMENTS:

The undersigned gives his approval to California Computer & Component, Inc. to use the above information for purpose of checking credit with those references named and gives his approval for the release of such information by his bankers to assist in this regard. Should California Computer & Component, Inc. deem it necessary to turn over for collection or legal action any sum due, the purchaser agrees to pay the cost of collection and/or legal action.

IMPORTANT: PLEASE ATTACH MOST CURRENT AND LAST YEAR'S FINANCIAL STATEMENT

SIGNATURE _____ TITLE _____

DATE _____

DATE PAPER WORK RETURNED _____

_____ RESALE CARD _____ CREDIT APPLICATION _____ FLOORING REQUEST

(PLEASE DO NOT WRITE BELOW THIS LINE)

DEALER NO. _____ DATE _____ TERRITORY AREA _____

CHECKED BY: _____ DATE _____

REMARKS: _____

CREDIT LIMIT _____ CREDIT RATING _____

SALES DEPT: _____

ACCOUNTING: _____

SERVICE DEPT: _____

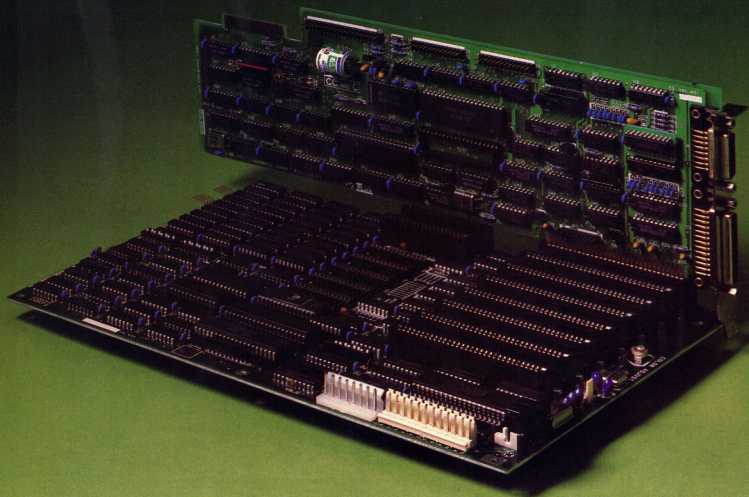
APPROVED BY: _____ DATE _____



THE MOST ADVANCED SYSTEM AVAILABLE

**X Turbo Board + 7 Plus
= The Most Advanced System**

IBM XT COMPATIBLE



THE TECHNOLOGICAL BRIDGE TO YOUR FUTURE

X Turbo Board™ :

- On-Board 8088-2 Processor
- Optional Configuration of 8087-2 Numeric Processor
- On-Board Maximum RAM Capacity of 640K
- Extended Rom Capability of 8K BIOS and 40K for Basic or other programs
- Peripheral Support Circuits as on PC
- Configuration Switches as on PC
- Eight PC Compatible I/O Interface SLOTS
- Standard Key-Board Interface
- Speaker/Audio Port
- Two LED Ports for Turbo and power level indication
- PC Compatible Power Connectors
- All features — including board size — same as PC

7 Plus™ :

When you use X Turbo Board™ with the 7 Plus™ multifunction card it makes up the most advanced and compact system available. Seven Reasons for the 7 Plus™ :

- To leave as many of your expansion slots as possible free for future use.
- To minimize your component cost in completing your system.
- To reduce your installation time.
- To maximize your computer productivity.
- To keep your system's temperature down.
- All the functions that the ideal PC should possess.
- And finally our desire to set an industry all-in-one Standard.

The Most Advanced System :

The advantages of using the X Turbo Board in conjunction with the 7 Plus are many. It contains all the functions you need in one system — the X Turbo System.

- 640K on board
- 2 Serial Port
- Parallel Printer Port
- Game Port
- Clock Calendar
- Printer Spooler
- Ram Disk
- 4 Floppy Disk Controllers

X Turbo System is highly compatible with both software and hardware designed for IBM PC/XT.

If reliability is your imperative and speed of performance your necessity then we have the solution. Time is money and with this in mind we created the **X Turbo** — a motherboard that will put you a turbo leap ahead of the competition by it's rapidity of program execution and quality of performance. And there are no complicated procedures involved when you want to change from normal to turbo mode (or back again). You just simultaneously tap three keys on the **PC** key-board and the turbo mode will give you an increase of almost 40% in the speed of your **PC**'s program execution. And it's 640 **K** on-board memory makes any other memory card unnecessary saving you that invaluable expansion space. Being designed around four layers rather than the standard two makes the system as a whole more stable and less susceptible to power loss.

We impose a rigorous and exacting quality and reliability control on all our products and the **X Turbo** is of course no exception. Every **X Turbo** undergoes a 72-hour burn-in test in a constant ambient temperature of 72°C as well as high-low voltage testing to ensure that the system can function effectively even if the power supply is other than the standard 5V supply. It has also been tested as a complete system with the integration of enhancement cards. (\$o along with the unsurpassed performance speed you get a quality you can always rely on). Its highly compatible with all the major names in add-on cards such as Lotus, Basic, Pascal etc.

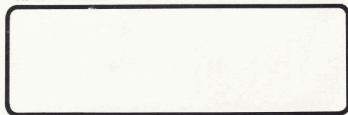
A unique performance quality that allows us to offer you a two year warranty at a unique price. You won't believe the price until you see it and you won't believe the performance until you use it.

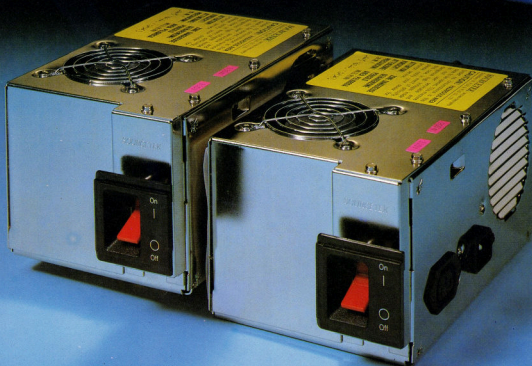
Catch on **X**press. Catch on **X Turbo** from **ARC**. All-round excellence and that includes the price.

ARC

AMERICAN
RESEARCH
CORPORATION

Authorized Dealer



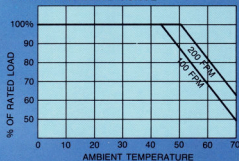


IPS-135 IPS-135U / IPS-200 SWITCHING POWER SUPPLY

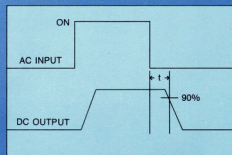
FEATURES OF THE IPS 135 • IPS-135U AND IPS-200

- DESIGNED TO MEET UL 478, UL1012 SPECIFICATIONS
- INPUT EMI FILTERED TO MEET FCC PART 15 CLASS B SPECIFICATIONS.
- STANDARD DUAL AC INPUTS (115/230 VAC)
- OVERHEAT PROTECTION
- NOISE MINIMIZED BY HIGH SPEED SEMICONDUCTORS
- SHORT CIRCUIT PROTECTION ON ALL OUTPUTS

POWER DERATING CURVE



HOLD-UP TIME TESTING

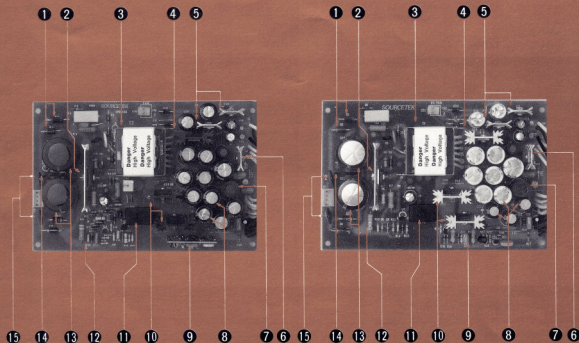


$t \geq 20\text{ms}$ AT FULL LOAD
AC INPUT RATING: 115 VAC OR 230 VAC

SOURCETEK®

IPS-200

IPS-135 / IPS-135U



KEY

- 1 INPUT RECTIFIER
- 2 HIGH SPEED, HIGH VOLTAGE POWER TRANSISTOR
- 3 HIGH FREQUENCY TRANSFORMER
- 4 SCHOTTKY DIODE
- 5 REGULATED I.C.
- 6 OVER VOLTAGE PROTECTED S.C.R.
- 7 HIGH CURRENT BAR CORE
- 8 HIGH RIPPLE CURRENT, LOW E.S.R. CAPACITOR
- 9 CONTROL CIRCUIT
- 10 SCHOTTKY DIODE
- 11 DRIVE TRANSFORMER
- 12 CURRENT LIMITATION RESISTOR
- 13 HIGH GRADE DERATED ELECTROLYTICS
- 14 115/230 VAC VOLTAGE INPUT SELECTOR
- 15 INPUT CURRENT LIMITING THERMAL RESISTOR

MODEL	IPS-135U				IPS-200			
O/P VOLTAGE	+5V	+12V	-5V	-12V	+5V	+12V	-5V	-12V
O/P CURRENT	15A	4.5A	0.5A	0.5A	20A	7.5A	0.5A	0.5A

VOLTAGE OUTPUT PARAMETERS	+5V	+12V	-5V	-12V	REMARK
TEMPERATURE EFFECT	$\pm 0.5\%$	$\pm 1.0\%$	$\pm 1.0\%$	$\pm 1.0\%$	SOURCE VOLTAGE NOMINAL
TIME EFFECT	$< 20\text{mV}$	$< 20\text{mV}$	$< 50\text{mV}$	$< 50\text{mV}$	MEASURED FOR 0.5-8 hr
COMBINED TOLERANCE	$\pm 3\%$	$\pm 5\%$	$\pm 3\%$	$\pm 3\%$	
MINIMUM LOAD	2.0A	0.5A	0A	0A	

RESPONSE TIME: 200 μ SEC TO WITHIN 1% AFTER 25% LOAD CHANGE AT 5A/ μ SEC

EFFICIENCY: 75% MIN AT FULL LOAD

SURGE CURRENT: 30A (MAX)

VOLTAGE INPUT: 100 VAC-130 VAC/200 VAC-260 VAC

INPUT FREQUENCY: 47 HZ-63 HZ

VOLTAGE OUTPUT PARAMETERS	+5V	+12V	-5V	-12V	REMARK
LINE REGULATION	$< 0.2\%$	$< 1\%$	$< 0.5\%$	$< 0.5\%$	FULL LOAD
LOAD REGULATION	$< 1.0\%$	$< 5.0\%$	$< 0.5\%$	$< 0.5\%$	FULL LOAD
AC RIPPLE (SOURCE FREQUENCY COMPONENT)	$< 30\text{mV}$	$< 40\text{mV}$	$< 20\text{mV}$	$< 20\text{mV}$	FULL LOAD
SPIKE NOISE	$< 100\text{mV}$	$< 100\text{mV}$	$< 200\text{mV}$	$< 200\text{mV}$	FULL LOAD

OVER VOLTAGE: +5V OUTPUT ONLY 5.6V-6.6V

OPERATING TEMPERATURE: 0 TO +50°C

STORAGE TEMPERATURE: -20°C-+85°C

SAFETY: MEETS UL1012, UL478, CSA 22, 2-154, IEC 380 SPECIFICATIONS

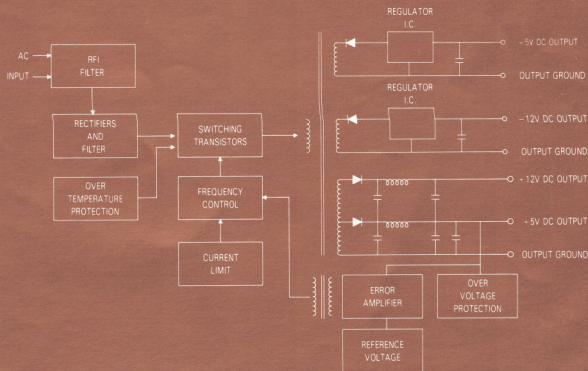
EMI: MEETS FCC, PART 15, CLASS B, VDE 0871 CLASS B, SPECIFICATIONS

HUMIDITY: 5-95% RH

VIBRATION: 10 M/M AMPLITUDE AT 5-10 HR ON THREE AXIS

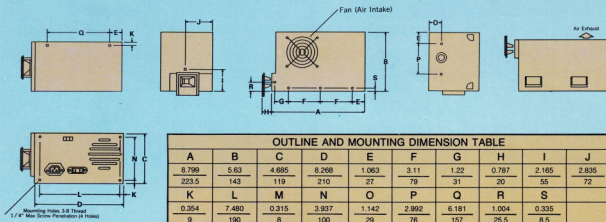
WEIGHT: 2.5 KG

BLOCK DIAGRAM



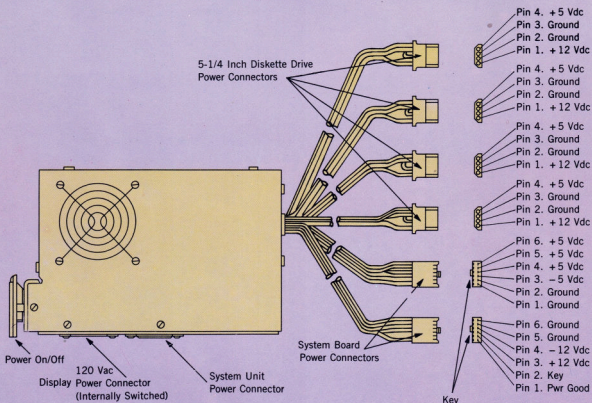
Mechanical Specifications

IPS-135 IPS-135U IPS-200



POWER SUPPLY CONNECTORS AND PIN ASSIGNMENTS

The power connector on the system board is a 12-inch male connector that plugs into the power-supply connectors. The pin configurations and locations are shown below:



EXCLUSIVE DISTRIBUTOR **CC&C**

California Computer & Component Inc.

2001 WEST CHESTNUT STREET, ALHAMBRA, CA 91803 U.S.A. TEL: (818) 5761621

CC&C

**CALIFORNIA
COMPUTER &
COMPONENT, INC.**

CHRISTINE LEE

**2001 W. CHESTNUT ST.
ALHAMBRA, CA 91803**

TEL: (818) 576-1621