

THE WORLD'S MOST POWERFUL INDUSTRIAL WORKSTATION

The **ARJUN**™

NO DOWN-TIME!



featuring
HOT-SWAPPABLE
Display, Keyboard,
and Floppy Drive.

NO DOWN-TIME!

ARJUN

AVG

Automation
"Innovation & Quality by Design"

AC AUTOTECH
CONTROLS

UTICOR

ARJNR001.PDF



If the display fails, backlight bulb burns out, keyboard is damaged, floppy sticks, processor fails, hard disk fails or power supply gets blown...

the ARJUN™ is back in business in no time!

There is nothing like it!

A new Generation of Industrial PCs that minimizes down-time ...

There are a number of Industrial Workstations on the market today, all have a 486DX or Pentium® processor, lots of RAM, HDD, Floppy drive, ISA expansion slots, Flat panel display, etc. The processing power and memory capacity is simply awesome. Cost is one-third to one-half of equivalent PLCs. Yet, Plant Engineers hesitate to put an Industrial PC on their machine/process control because of simply one reason... **high maintenance and excessive down-time.**

ARJUN™ (an ancient legendary warrior that never rested) is being introduced by AVG, a world leader in factory automation, to solve the down-time problem of a PC-based control.

How does the ARJUN™ do it ?

A "Pareto" chart failure analysis of any Industrial PC will show that the components with the lowest Meantime between failures (MTBF) are as follows (in order):

1. Backlight bulbs
2. Display screens
3. Touchscreens/keypads
4. Power Supply
5. Floppy Drive
6. Hard Disk Drive (HDD)
7. Processor board

Arjun incorporates four of these "Pareto" components: display, backlight, touch-screen/key pad and floppy drive, into a front bezel that

can be replaced while your Pentium® continues to fly and your machine/process continues to operate!

Upon replacement, there is no rebooting, it simply takes over at the current status of the process.

Further, the power supply and the hard disk drive are mounted such that they can be easily unplugged and replaced in the field.

The Arjun uses a passive backplane and a plug-in processor board for quick replacement.

"Hot-Swappable" Front Bezel



▲ The front bezel, containing the display, keyboard, and floppy drive can be replaced while your Pentium® continues to FLY and your machine/process continues to OPERATE!

Sturdy, Tank-like Construction and Modular Design for Easy Maintenance

Offers exceptional features not found in other Industrial PCs

- Cast Aluminum NEMA 4X Housing, UL/CSA/CE/Class 1, DIV. II compliant

Exclusive 96 hour burn-in at elevated temperature



▲ Active Matrix color display with touch-screen option, 150° viewing angle and 4 years life expectancy

Bezel hinge

Easy-to-replace Power supply held by 2 thumb-screws

Easy-to-replace HDD held by a thumb-screw

Bezel hinge



• CPU plugs into a passive backplane for quick, easy replacement

• Six full size ISA slots

Connectors for wiring to the I/O or communication cards plugged into the Arjun



▲ Sealed NEMA 4X front access to floppy drive and external keyboard / mouse connection

• Unscrew bezel and remove from two hinges for quick "hot-swap"

Built-in QWERTY keypad or

Industrial mouse slanted at 10° for easy use



The only PC with NEMA ICS 2-230, ANSI C37.909-1974 showering arc and surge test ratings

SPECIFICATIONS

Display Type:

10.4", 16 million colors, TFD Active,
150° viewing angle, 40,000 hour bulb life,
1MB V-RAM

Display Options:

40,000 Hour TFD
25,000 Hour STN

Keypads:

12 function keys, numeric and cursor
keypads; QWERTY keypad slanted
10° for convenient use

Processor:

486DX4-100 (133 Pentium® optional),
4 MB RAM expandable to 64 MB (486)
8 MB RAM, expandable to 128 MB
(with Pentium® option)
EDO supported on both
128K Cache / 256K Pentium®
6 Expansion slots (4 full / 2 half)
lithium battery, I/O ports: 2 Serial
and 1 Parallel, keyboard port: PS/2

Backplane (MB):

Type ISA, Bus Connection Passive

Storage:

3.5" 1.44MB High Density Standard,
500 MB or 1 GB HDD option

Power Supply Output:

100 Watts, Autoswitching

Enclosure:

NEMA 4X rating, cast aluminum / field
removable Bezel

Operating System:

0° to 40°C

Humidity:

0-95%

Safety:

Meets UL1905, CSA, VDE, CE, Class 1 Div.II

Electrical Noise Tolerance:

NEMA ICS 2-230 showering arc ANSI
C37.90a-1974 Surge Withstand
Capability Rated

Burn-in:

All UTICOR products are temperature
cycled 96 hours and then are fully,
functionally tested

AVG Automation

"Innovation and Quality by Design"

Message Displays and MMI's



"Quality on Display"

- Programmable Message Displays
- Programmable Operator Interfaces
- Marquee Products
- Andon Displays
- Flat Panel Displays
- Industrial PCs



Position/Motion Feedback and Controls



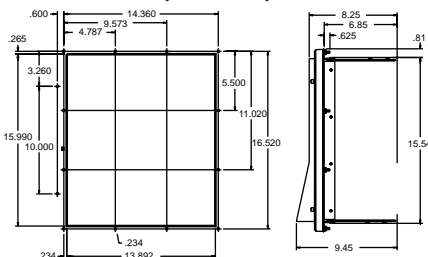
"Innovation by Design"

- Programmable Limit Switches
- Resolver Decoders
- Die Protection Products
- Press Load Monitors
- Electronic Motor Brakes
- PLC Plug-in Cards



Direct Sales Offices, Sales Representatives and distribution
through out the USA, Canada and Europe. Call AVG Automation
for more information, or to locate your nearest distributor.

MOUNTING DIMENSIONS (in inches)



Automation
"Innovation & Quality by Design"



343 St. Paul Blvd., Carol Stream, IL 60188

APPLICATION-HOTLINE 800-TEC-ENGR

630-668-3355 Phone • 630-668-4676 Fax • WWW.AVG.NET