

# Food and Pharmaceutical Solutions

Computing Solutions for Tough Conditions  
Capability Overview



Quality  
ISO 9001



**APC**   
Technology

# Introduction to APC Technology

Since 1984 **APC Technology** has provided specialist computer solutions for applications in some of the most severe environments on earth. **APC Technology** designs and manufactures state of the art computer, display and control technology packages for industrial and military customers who have critical applications where failure is not an option.

**APC Technology** offers a comprehensive range of solutions including touchscreen displays and Panel PC's, rugged laptop/PDA mobile solutions, components and motherboards, keyboards and pointing devices.

**APC Technology's** range of industrial Rugged Panel PCs and displays are designed for demanding industrial applications. Utilising the latest technology, our dedicated range of solutions are versatile and offer full expansion capabilities providing our clients with customisable platforms which can be tailored to their exacting requirements.

## ACCREDITATION AND CERTIFICATIONS

**APC Technology** is supported by proven quality methodology and by processes which are fully certified to ISO9001. Regular internal and independent external audits are conducted to identify where improvements can be made to current processes, and where new processes are required. **APC Technology** is committed to the ongoing improvement of the quality system based on these audits.

Ability to design and manufacture to Military environmental specifications MIL-SPEC 810, 167, 461, 901 and ACSI-61B.

Current certification status as a recognised supplier to the Australian Defence Force.

"Fully defence ready with no gaps" achievement in Commercial Defence Ready Program.



Quality  
ISO 9001  
 SAI GLOBAL



## FACILITIES

Head Office / Manufacturing Facility  
Adelaide, South Australia

State Office  
Sydney, New South Wales



# Your Food & Pharmaceutical Solution provider

**APC Technology's** range of Food and Pharmaceutical solutions are ideal for environments such as production and assembly lines, hose down areas, food production and livestock management applications

If you need a dedicated stand alone workstation or a fully integrated production system, APC Technology have a solution to meet your needs.

**Need a custom designed solution? Talk to us today!**



## Fully Sealed Panel PCs

Rugged Panel PC dual sealed to prevent the ingress of dust and liquids.

FT Units are rated to IP66 making them the ideal solution for rural and industrial environments.



## Cabinets

Sealed stainless steel cabinets suitable for use within your food or manufacturing environment.



## Fully Sealed Displays

Rugged Display dual sealed to prevent the ingress of dust and liquids.

FT Units are rated to IP66 making them the ideal solution for rural and industrial environments.



## Keyboards

The KBIM2-IS is a fully sealed QWERTY PC keyboard with integral mouse for use in industrial environments.



## Accessories

Range of mounting options, trays, extenders designed to complement standard product offerings,



## Industrial Mouse & Joystick

The IM2 TUFSTIK is a tough pointing device for touch conditions, utilising APC Technology's own patented opto-strain-gauge sensing technology in an ergonomic pointing device.



## NISE Fanless PC

High performance, outstanding graphic handling capability, fanless computers.



# Fully Sealed Displays and Panel PCs

## Built to last

Our FT displays & Panel PC's are dual sealed to prevent the ingress of dust & liquids. All FT units are rated to IP66, making them the ideal solution for rural & industrial environments which experience constant exposure to moisture and dirt.

The FT Series is specifically designed for monitoring and control applications within:

Abattoirs & Meatworks, Live stock Management, Food Production & Pharmaceutical Manufacturing environments.

## Stainless steel construction

Stainless steel is specified for use in food plants, and offers excellent mechanical strength and corrosion resistance.

Complimenting this, the FT units have a streamline design which eliminates gaps and collection points preventing the build up of waste products.

## Optional Touchscreen

APC Technology has a number of different operator interfaces available for use with computing solutions. As an alternative to APC Technology's keyboard or trackball components we offer a number of rugged touchscreen products which provide an improved operator interface.



- **Rugged fully sealed stainless steel construction**
- **Touchscreen Options**
- **Wide Dimming Range**
- **Sunlight Readable Displays**
- **Wide Temperature Range**
- **Superior performance**



### Standard Features

- Operating Temperature 0°C to +60°C
- Sealed to IP66

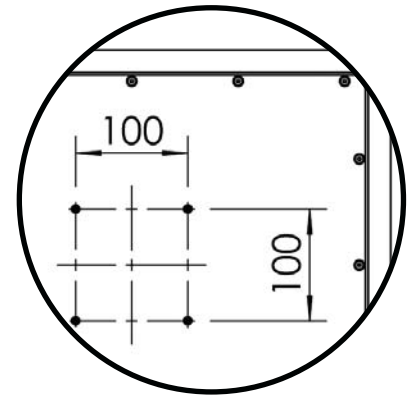
### Configuration Options

- Up to 4GB RAM
- Upgrade of HDD size
- DVI and composite video connectors
- DC power
- Touchscreen
- Display enhancement
- Extended Temperature range
- Display size up to 32"
- Inbuilt video extenders
- Standard PC audio
- Solid State Hard Drive

### Mounting Options

All FT units are provided with a 100mm standard VESA mount system, allowing utilisation of industry standard brackets and mounts.

A number of standard alternative mounting arrangements available or you can design and specify your own to suit your particular needs.



15" FT2255 Panel PC  
15" FT20555 Display



19" FT22195 Panel PC  
19" FT20195 Display



# Proven Technology

**APC Technology's** custom solutions are constructed utilising proven technology to enhance our products and maintain the best possible solution for our customers.

## Touchscreen Technology

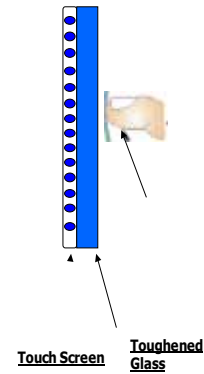
Touchscreen options used in **APC Technology's** products are based on a number of proven platforms.

Shatterproof design enables continued functionality after damage and more importantly prevents glass fragments from contaminating production area.



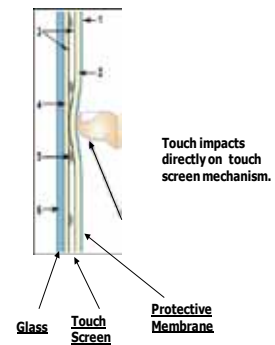
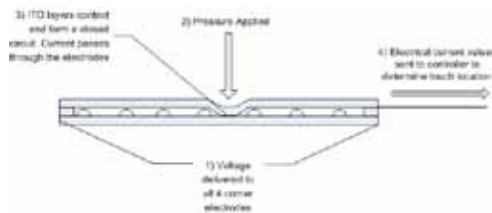
## Projected Capacitive

Allows touches to be sensed through a protective layer installed behind windows or other protective glass. This touchscreen is utilised in Class 1 Div 1 or Div 2 environments due to its high durability and reliability.



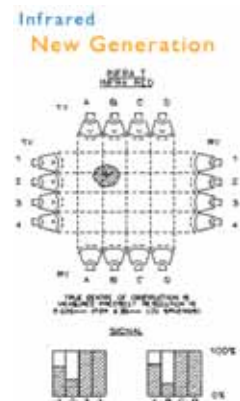
## Glass Resistive

The hard glass front surface provides scratch resistance and ruggedisation typically associated with capacitive or surface wave acoustic, but has the flexibility of use just like a standard resistive touchscreen.



## Infra-T

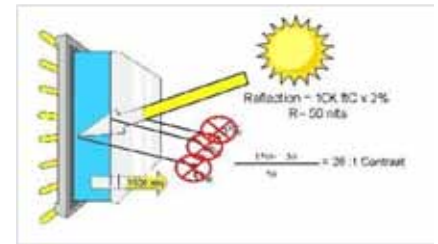
Developed by APC Technology, Infra-T technology provides optimum clarity with the exacting actuation of the touchscreen allowing a highly accurate and durable solution for environments such as clean rooms.



## Display Enhancement

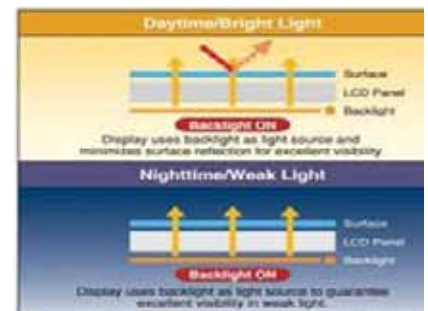
### Optical Bonding

Enhanced Sunlight readability is achieved by applying a solid, transparent bond which optically couples the front cover glass or touch screen directly to the face of the display.



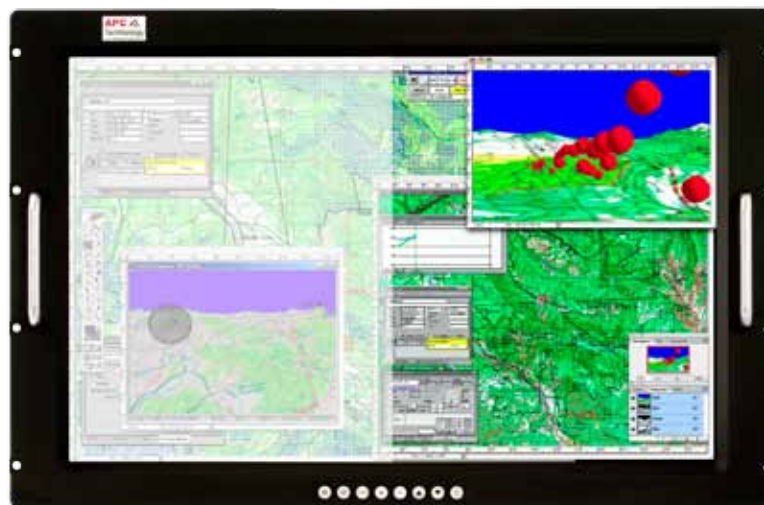
### Transflective Display

Through the utilisation of efficient back lighting and minimised surface reflection, units with transflective display technology provide users with a bright and vibrant display.



### LED Display

LED display technology is an innovative technology utilising the many advantages of light emitting diodes (LEDs) including increased efficiency over previous technologies, longer lasting components, reduced power consumption and reduction in heat generation from light production.



# SEE THE DIFFERENCE



# Human Machine Interface

## Interface Options

APC Technology's range of rugged keyboards and pointing devices provide a perfect input option for industrial or military environments with high data input application.

Multiple options designed to provide improved tactility whilst surviving in the environment - the ultimate input solution.

## Virtual Keyboard

When using touchscreen interface we can provide virtual keyboard for flexible user options.



## Keyboards

Harsh environment, high data entry. We have an option to suit your needs. Australian made full QWERTY keyboard with joystick design. Stand alone or panel mount options available.

- **Rugged construction**
- **Fully Sealed**
- **Customised and Versatile**
- **Tried and Proven**
- **USB/PS2/Serial**



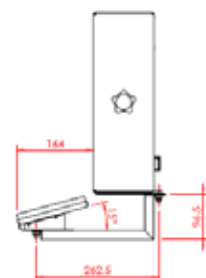
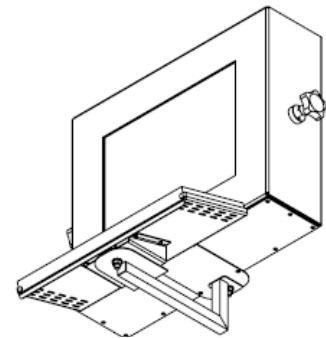
## Pointers

APC Technology have a number of patented devices that can be integrated into your workstation requirements available as standalone products our mouse, trackball, tufstik pointing devices are suitable for wet and dirty environments.

**Built to take the punishment, engineered to last.**



## Integrated for a complete system approach



# System Options

## Fanless Solutions

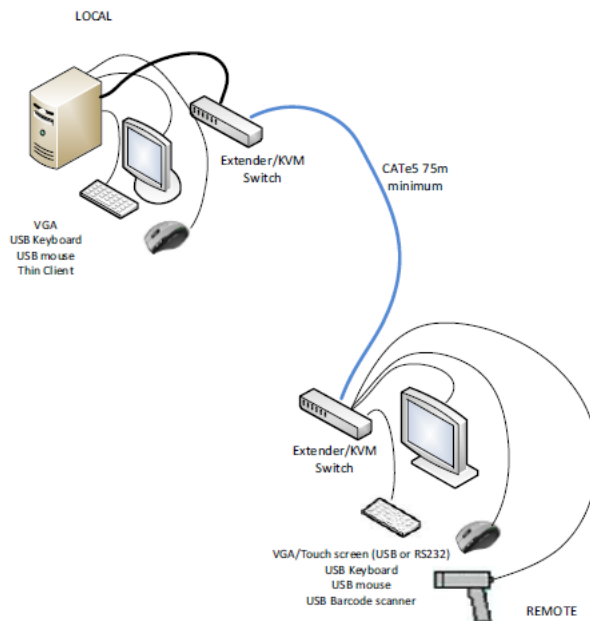
Rugged Fanless Computing systems utilising latest technology computing performance, wide operating temperature range, compact size for limited space, robust mechanism with anti-shock/vibration design and flexible expansion options.



## Extenders

Local remote KVM device design allows users to control computer equipment up to 150m away from the user consoles (keyboard, monitor and mouse).

They include support for standard category 5 cabling between computers and users interconnected by the switch device. In contrast, USB powered KVM devices are able to control computer equipment using a combination of USB, keyboard, mouse and monitor cables of up to 5 metres



## Wireless

Wireless antenna integration provides flexible networking options for your system solution.



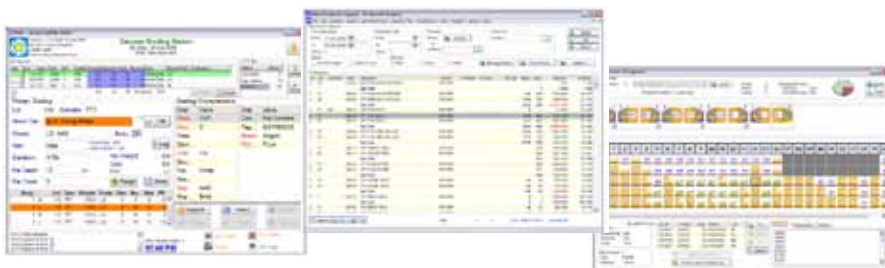
## Cabinets

APC Technology's Custom designed stainless steel cabinets are fully sealed and top or bottom mounted solutions suitable for the most rugged environment.



- **Built to Last**
- **Superior Quality**
- **Fully Sealed**
- **Customisable**

## A complete system approach



# Accessories

## Customised Connectors

APC Technology can cater for most installation requirements. To complete your system we offer dedicated, variable connector profiles. We can also assist you with the provision of premade cable packs enabling streamlined out of the box installation.



## Customised Connectors

- Customised connector profiles utilising industry standards
- Brands used include Bulgin, LTW, Amphenol.
- Roxtec glanding systems available providing complete versatility of installation



*Bulgin connectors*

Your needs  
Your system  
Your decision



*Roxtec Gland system*

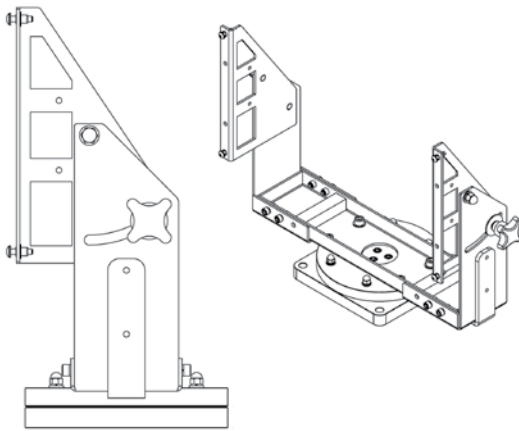


*Amphenol connectors*



## Mounting Arrangements

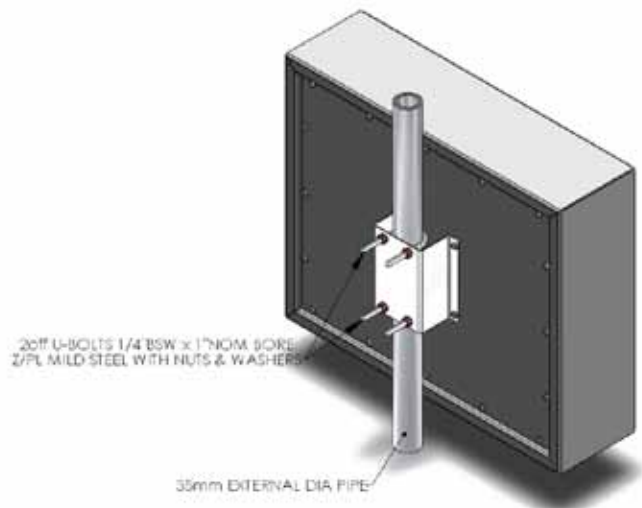
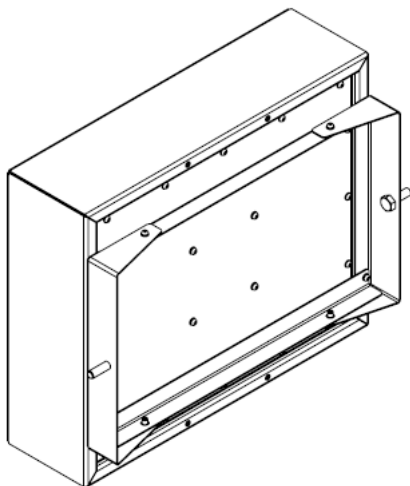
- APC Technology can offer a variety of custom mounting brackets.
- Standard offer includes VESE mount, top hat, rear or side mounting
- Pan tilt and other customised options available



APC Technology is a renowned design and engineering house with professionals who understand the real world needs of our clients.

We have the capability to provide you with any mounting option you may need to suit existing or future needs.

**Talk to us about your requirements today**



## Quality Assurance

**APC Technology** has achieved: ISO-9001 certification MIL-SPEC 810, 167, 461, 901, CE, AS3548 and ACSI-61B

As Australia's only specialist design manufacturer we take pride in our ability to provide solutions to industry requiring additional consideration such as IP ratings and the like – specific to our customer's requirements

## Service and Support

**APC Technology** has established a reputation for supplying products recognised for their reliability and innovation in critical applications. We utilise reputable and proven components and constantly monitor sub-component and sub-system reliability.

To support our customers we provide:

- Technical support, via phone or e-mail
- Australia wide field service
- Return to base exchange
- Hardware and sub-component repair
- Defect analysis and reporting
- Bulletin and internet support
- After Hours Technical Support

## Warranty

**APC Technology** offers 12 month manufacturers warranty as standard on all of our units. We are also able to offer extended or lifetime warranty options if required.



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# Capability Overview

## Aitech

Complete and innovative product and integration services with proven program expertise in hardware and software development, enclosure design and cooling technologies for:

- Mission computers
- Fire Control subsystems
- Actuation and platform stabilisation subsystems
- Ammunition handling subsystems
- Flight control computers
- Vehicle management subsystems and more



## Greenhills

The INTEGRITY® operating system technology is the most secure technology in the world having been certified by the NSA-managed NIAP lab to EAL6+. High Robustness. No other commercial operating system has attained this level of security.



## Northrop Grumman

The Tactical Advantage: Provides orientation during tactical operations Tracks vehicle direction and distance to a mission destination.

Supports weapon alignment to a target Delivers reference data of vehicle position and heading for a higher level command post to allow for target assignment and situational awareness



## SUNIT Vehicle Computers

Comprising a comprehensive range of purpose built fixed mount computer models for commercial and utility vehicles.

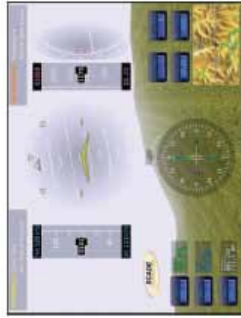
Through the use of this modulated product family we can provide the most ideal on board computer model for any kind of in-vehicle application.

## SCADE Suite

Graphical design entry. Verification through simulation and formal methods certified code generation

Integrated requirements management, configuration management and automatic documentation generation - shortening time to certification

## DO-178B Level 1 mission and safety critical embedded software applications



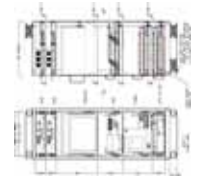
## Singapore Technologies

ST Engineering provides cost-effective defence capability solutions. The Group offers a comprehensive suite of products and capabilities in the aerospace, electronics, land and marine sectors. It is a leading supplier of military communications systems, command and control systems, aircraft support and upgrade services, land platforms, naval vessels, weapons and munitions.

## Rugged Mobile Solutions

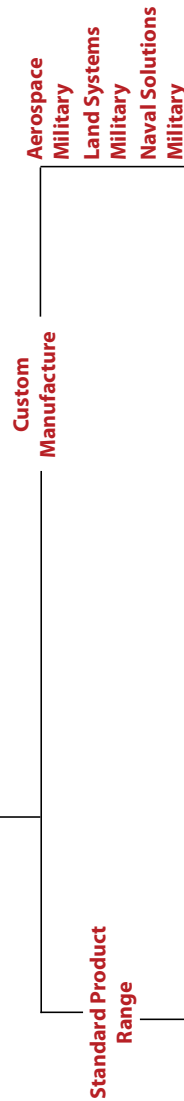
Rugged notebooks and tablets are toughened to withstand harsh use in industrial and field environments.

This hardware is designed to withstand water, shock, vibration, extreme temperature, emissions, EMI, RFI and will survive in particle laden environments



Manufactured to our customer requirements and specifications

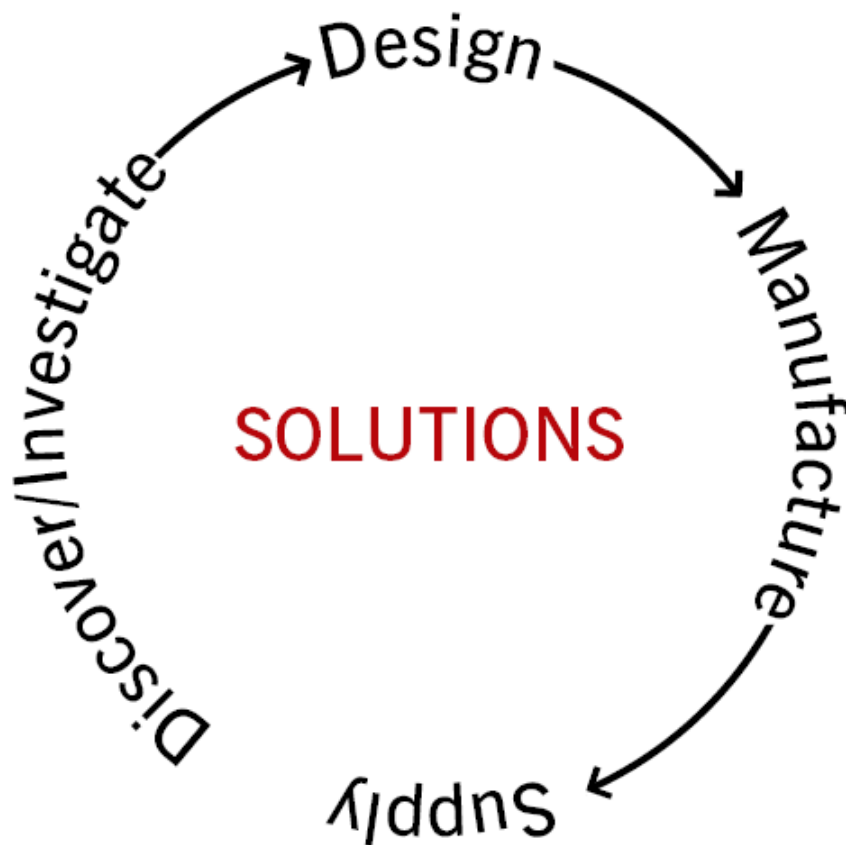
# APC Technology



# Computing Solutions for Tough Conditions



**100% AUSTRALIAN OWNED AND OPERATED**



Quality  
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