

ATS inspect[®]

Visual Quality

ATS Tablet PC



with ATS Inspect

- ▶ Significantly reduces scrap and rework cost
- ▶ Image driven inspection
- ▶ Web based analysis and reporting
- ▶ Eliminates paper checklists
- ▶ Real-time attribute data collection
- ▶ Easy-to-use operator interface
- ▶ Configurable for many different applications
- ▶ Easily integrates with other systems
- ▶ At Line Statistical Process Control

The ► **ATS Tablet PC** is designed to survive the harshest of environments. With its rubber surround, it can withstand continuous drops to hard surfaces without data loss. This is particularly useful in areas where paper is impractical and where data collection is essential.

The Tablet has up to 4 hours of battery life and can be 'docked' in its docking station for recharging when not in use. Accessories such as spare batteries and shoulder straps are also available to make the ► **ATS Tablet PC** a truly portable data collection device.

Main Features

- ▶ Rugged 8.4" Fan-less Tablet PC with Intel® Atom™ Processor/Daylight Readable Display/ Touch Screen/ Wi-Fi/ Bluetooth/ GPS
- ▶ Intel® Atom™ CPU 1.1GHz and 1.6GHz (2W~2.4W)
- ▶ Built-in Wi-Fi 802.11b/g/n / Bluetooth module/ GPS
- ▶ Built-in 3.5G, CDMA or WIMAX module (Optional)
- ▶ Daylight Readable Display
- ▶ Built-in 1D Laser Barcode Scanner or RFID (Optional)
- ▶ 1 x Navigation Key and 6 x Programmable Function Key
- ▶ More than 4~8 Hours Long Battery Life
- ▶ Rugged Design – Meets Multiple MIL and IP Specs

Product Overview

The ► **ATS Tablet PC** is designed for mobile workers requiring real-time information who cannot access desktop-pc or laptop. The IP-54 rating rugged design makes the durable ATS Tablet suitable for use in even the harshest of environments. The built-in 802.11b/g/n & Bluetooth modules provide excellent mobility. With the powerful 3.5G mobile broadband engine, the ► **ATS Tablet PC** can benefit users by efficiently utilising

existing broadband whilst expanding service coverage.

For logistic and warehouse management applications the ► **ATS Tablet PC** is equipped with a built-in barcode scanner and RFID interface. Onboard GPS and sunlight readable LCD make the Tablet ideal for outdoor applications. Applications including but not limited to - asset management, shopfloor data collection, quality audits, building automation, mobile CRM, meter reading, on-site troubleshooting,

AVL/GIS/mapping, field data collection, plant operations, WIP tracking, surveillance / inspection, surveying, mobile POS, shelf labelling, fleet management, marine navigation, shipping/receiving, healthcare services and Health and Safety.

Specifications

CPU Support

- ▶ Intel® Atom™ processor 1.1 GHz and 1.6 GHz with 512 KB on-die L2 cache
- ▶ 400MHz/ 533MHz FSB (2W~2.4W)

Chipset

- ▶ Intel® System Controller Hub US15W (single chip integrated graphics and I/O controller)

Main Memory

- ▶ 1 x 200-pin DDR2 SO-DIMM socket, up to 2 GB SDRAM

Storage

- ▶ 1 x SSD (ZIF Type) PATA interface
- ▶ 1 x 1.8" HDD (8mm ZIF) PATA interface (Optional)

Audio

- ▶ ALC888-VC2-GR HD Codec
- ▶ AC '97 Compatible
- ▶ 1 x external MIC-in and 1 x external Line-out

Display

- ▶ Intel System Controller Hub US15W ultra low power controller integrated with 2D & 3D HW accelerator and high definition

- ▶ hardware video decode engine, UMA up to 256 MB
- ▶ Internal LVDS display port and SDVO expansion port
- ▶ Supports dual independent display (LVDS + SDVO)
- ▶ LVDS: supports IGD to communicate directly to an on-board flat panel display, panel support 800x600 SVGA 18bit TFT LCD, or 1024 x 768 resolution via driver support (virtual mode)
- ▶ Touch Screen: Analogue Resistive 4 wire daylight readable touch screen
- ▶ Ambient light sensor for LCD backlight control

I/O

- ▶ 2 x External USB 2.0 port ; 1 x Mini USB (Client)
- ▶ 1 x Bluetooth Module V 2.0 + EDR
- ▶ 1 x Finger Printer Sensor
- ▶ 1 x PATA ZIF Connector for SSD or 1.8" HDD
- ▶ 1 x MIC-in / Line-out
- ▶ 1 x 2.0 M CMOS Camera
- ▶ 1 x 19V DC power input
- ▶ 1 x 3.5G Module (optional)
- ▶ 1 x Wi-Fi Module
- ▶ 1 x GPS Module
- ▶ 1 x 32-pin PoGo connector for docking station
- ▶ 1 x RFID Module (optional)
- ▶ 1 x Barcode scanner (optional)

I/O Interface-Front

- ▶ Power on/off Status (Blue LED on power switch)
- ▶ Battery Status (Green LED : Battery Discharged / Glows Orange: charging / fully charged Battery LED turn off)
- ▶ Battery Low (Battery LED : Glows Green and Power LED Glows Blue)
- ▶ Wireless on/off LED (Orange LED on Wireless on/off switch, Glows Orange is being accessed)
- ▶ Hard Disk Drive Status (Green LED: Glows Green HDD is being accessed)

- ▶ 4 x Programmable function keys
- ▶ Navigation key
- ▶ Power ON/OFF switch
- ▶ Wireless ON/OFF switch
- ▶ Camera Snap Shot button
- ▶ Barcode Scanner button

Expansion

- ▶ Bus Interface: SDVO and USB 2.0
- ▶ Docking Connector:
- ▶ 2 x USB 2.0
- ▶ 1 x RS-232
- ▶ 1 x VGA port (optional)
- ▶ 1 x Mini card socket
- ▶ 1 x LAN 10/100 base-T port
- ▶ DC-in 9-36V power input

Power Input

- ▶ Power Input Voltage: DC 19V/3.42A
- ▶ Power Output: 65W (Max)
- ▶ Internal Battery: Rechargeable 3 Cell (3S1P) Lithium Ion Smart Battery Pack (2600 mAh @ 11.1V, 28.86W/hr) Over Charge Protection, Over Discharge Protection, Over Current and Output Short

Dimensions & Construction

- ▶ 289 mm (W) x 214 mm (H) x 46 mm (D) with Rubber
- ▶ 280 mm (W) x 205 mm (H) x 37 mm (D) without Rubber
- ▶ Weight: 1.65 Kg with Rubber; 1.35 Kg without Rubber
- ▶ Plastic – upper and lower housing (ABS + PC)



- ▶ Colour: Black (1 colour for top cover and bottom Logo position - silk screen on surface)

Environment

- ▶ **Operating Temp: -20°C to 50°C**
Tested MIL-STD-810F methods 501.4, 502.4
- ▶ **Storage Temp: -30°C to 60°C**
Tested MIL-STD-810F methods 501.4, 502.4
- ▶ **Thermal Shock: -20°C to 50°C**
Tested MIL-STD-810F method 503.4
- ▶ **Rel. Humidity: 0 to 95%**
Tested MIL-STD-810F method 507.4
- ▶ **Vibration 5G PTP at 5~500Hz**
Tested MIL-STD-810F method 514.5C-3 (Highway truck)
- ▶ **Transit Shock: 4 feet drop, polywood, all surfaces, edges and corners (26 drops)**
Tested MIL-STD-810F method 516.5
- ▶ **Crash Shock: 75g, 11ms, Terminal Sawtooth**
Tested MIL-STD-810F method 516.5
- ▶ **Rain: Drip Proof, 7 gal/ft²/hr**
- ▶ **Compliance: MIL-STD-810F and IP54**

Certifications

- ▶ CE approval
- ▶ FCC Class B

Ordering Information

MRC 2100-510H (P/N:10U00210001X0)
8.4" Fan-less Ruggedised Tablet PC with Intel® Atom™ 1.1GHz Processor/60GB HDD/1GB Memory/Daylight Readable Touch Screen/GPS/Wi-Fi/Bluetooth

MRC 2100-510S8 (P/N:10U00210005X0)
8.4" Fan-less Ruggedised Tablet PC with Intel® Atom™ 1.1GHz Processor/8GB SSD/1GB Memory/Daylight Readable Touch Screen/GPS/WiFi/Bluetooth

MRC 2100-530S8 (P/N:10U00210006X0)
8.4" Fan-less Ruggedised Tablet PC with Intel® Atom™ 1.6GHz Processor/8GB SSD/1GB Memory/Daylight Readable Touch Screen/GPS/Wi-Fi/Bluetooth

Optional Accessory Ordering Information for MRC 2100

- 1D Laser Barcode scanner Opticon
 - ▶ (P/N:88U00210004X0)
- 3.5G GSM Module: Sierra MC8775V
 - ▶ (P/N:88U00210005X0)
- RFID Module: HF type 13.56MHz
 - ▶ (P/N:88U00210003X0)
- Carry case
 - ▶ (P/N:6019900015X00)
- Spare Battery Pack (3S1P)
 - ▶ (P/N:4ZTSS26301X00)
- Vehicle cigarette adaptor charger
 - ▶ (P/N:7400065007X00)
- External battery for extra hours
 - ▶ (P/N:4ZTTG08401X00)
- Windows Vista
 - ▶ (P/N:6014400749X00)
- Windows XP Pro for Embedded
 - ▶ (P/N:6014400748X00)
- Windows XP embedded
 - ▶ (P/N:6014400798X00)
- MRC2100 Power Adapter
 - ▶ (P/N:7400065005X00)
- POWER CABLE (US)
 - ▶ (P/N:60233POW38X00)
- POWER CABLE (EU)
 - ▶ (P/N:60233POW39X00)
- POWER CABLE (UK)
 - ▶ (P/N:60233POW40X00)

