

### Introduction

The demand of remote workers and business has never been so strong as ever before. This is mainly due to the convergence of the Internet infrastructure, wireless technology, and mobile commerce. This in turn encouraged the emergence of application-ready-platform of hardware and ready-to-implement vertical and horizontal applications.

All these significantly changed the way that we conduct our work as well as non-work-related activities. Pioneering industries such as hospital, medical care, warehousing, logistic support, on-site service have been experiencing the convenience and efficiency of the remote wireless devices. There is no doubt that the adoption of wireless devices will be widely prevailed in the coming years.

Since 1983 Advantech Co., Ltd. has been devoting itself as the leading pioneer for new technologies covering from IPC, Networking Computers, Information Appliances, to today's wireless devices. The MobiPanel™ 100, the first contribution from Advantech, brings a new vision in professional services with unique wireless features.

## Design Features

### Durability



#### Compact & Ruggedized

The MobiPanel™ 100 is encased in a small and solid space measuring 295(W) x 235(D) x 28(H) mm and weighing only 1.3kg while with enhanced functions. It is also ruggedized a magnesium housing, which assures superior resistance to exterior impacts like bumps drops and knocks.



#### Shock & Vibration - Resistance

The MobiPanel™ 100 is ruggedized and constructed for professionals working in harsh environments. Its magnesium housing and internal shock-absorbing design meets the industrial durability and field proved to withstand a 3-feet fall on a concrete floor



#### Spill & Dust - Resistance

The I/O ports, LCD panel and internal circuitries of the MobiPanel™ 100 have been designed to resist spill and water damage. Advantech took it further by ensuring it to dust-resistant with protected LCD, sealed ports and card slots for protection against unexpected accidents and damages. These features have been approved by the IP53 standard



#### High Brightness Display

The equipped high brightness 10.4" TFT LCD provides nice visibility. It is especially ideal to display graphic contents in the web-based applications. This advanced LCD technology enables MobiPanel™ 100 to function without scarifying power consumption. The battery can last for 6 working hours in a one-time charge.

### I/O Arrangement

### MobiPanel™ 100 (MPC-100) 10.4" Industrial Thin Tablet with Windows® CE

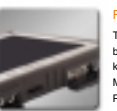


### Connectivity



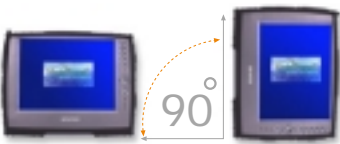
#### Wireless

Featuring the mobility and boundless communication, the latest 802.11b based wireless technology has been built-in to the MobiPanel™ 100. It supports all major networks at high-speed and unbroken communication without electromagnetic interference.



#### Fully-integrated

To maximize its connectivity with peripherals like barcode scanner, printer, digital camera, keyboard/mouse, projector and monitor, the MobiPanel™ 100 is fully equipped with IR, USB, PS/2, VGA interface ports and RS-485/422/232 protocols comport.



#### Rotation of Display Mode

The landscape or portrait display mode can be rotated up to 90° either to the right or left. This display function of the MobiPanel™ 100 features flexibility and convenience to meet different software application.

#### Optimal Performance with Minimum Power

Equipped with Intel® StrongArm processor, the MobiPanel™ 100 perfectly performs Windows® CE 3.0 based applications with minimum power consumption. Its superior powering system makes its Li-Ion battery lasts for more than 6 hours.

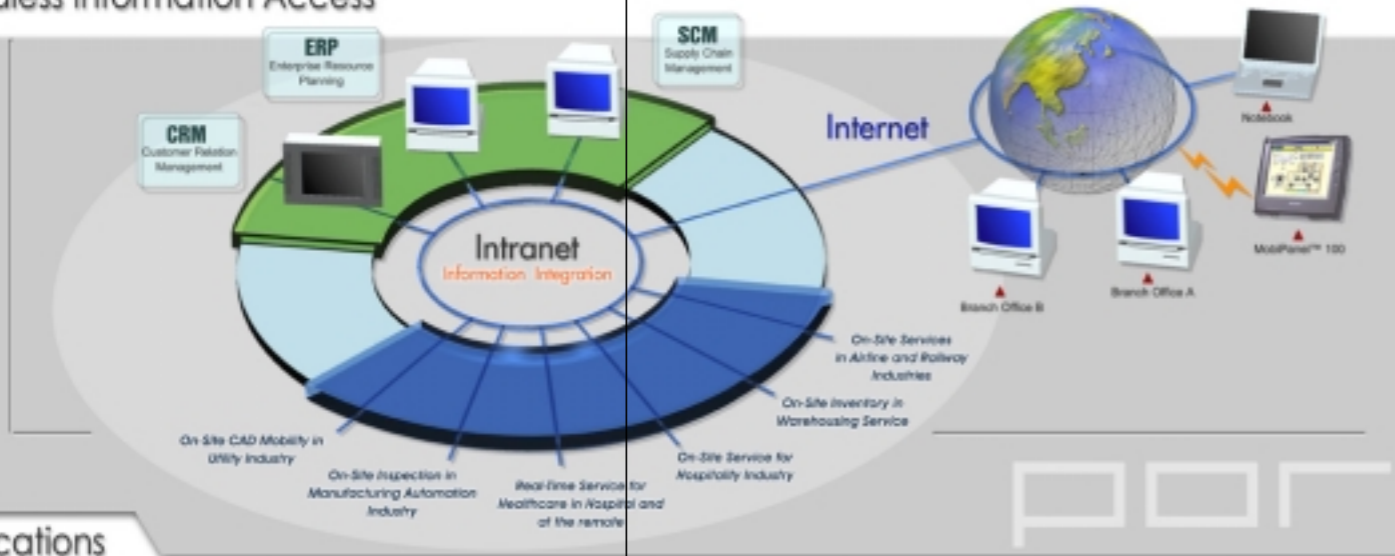


**Advantech**  
Your Service  
**Mobilize**  
Designed for Industrial Professionals

Year of the Form Partner  
**ADVANTECH**

Specifications	MobiPanel™ 100	10.4" Industrial Web Tablet with Windows® CE
Processor	Intel StrongARM 1110 206 MHz and companion chip SA1111	
Operating System	Windows® CE 3.0	
Memory	64 MB SDRAM on board	System Storage
Optional Storage	32MB Flash ROM on removable module	
Display	Panel	10.4" TFT high brightness LCD
Resolution	800 x 600 SVGA	Portrait
Audio System	AC-Link Audio	
PCMCIA	1 x internal buzzer, 2 x internal speakers	
CompactFlash™	1 x PCMCIA Type II slot	
External Keyboard	USB or PS/2, IR Keyboard (Optional)	
Application Button	5 x customer-defined hot keys for application selection	
Pointing Device	Built-in resistive touch panel	
Battery	4 direction keys with one enter key	
Power Adapter	5 programmable function buttons for quick application selection	
LED Status Indicator	Primary battery pack (4-cell) with smart Li-Ion battery, 5 hours battery life	
I/O Port	Premium battery pack (8-cell) with smart Li-Ion battery, 8 hours battery life (Optional)	
RF	Universal AC 90V ~ 265V, 47 ~ 63 Hz input, 19.5V DC, 60W	
Major Applications	Power LED: Green: Power On, Orange: Charging, blinking when battery low	
Application Software	Docking LED: Green: Connection	
Physical	Dimension	295 (W) x 235 (D) x 28 (H) mm
Weight	1.35 kg (with primary battery pack & 10.4" Panel)	
Cradle Station	1 x PCMCIA Type II slot	
Environment	1 x CompactFlash™ Type II card socket support	
EMI/Safety	1 x RS-232 / 422 / 485 ( selected by jumper setup )	
Ordering Information	1 x PS/2 for mouse / keyboard	
MPC-100-HE0D01	1 x HDA interface	
MobiPanel™ 100 with 10.4" high brightness TFT LCD, Intel StrongArm 206 MHz CPU, 64 MB DRAM and 32 Flash memory on board, English OS image pack and PCMCIA WLAN card adapter / Europe	1 x DC-in jack	
MPC-100-HA0E01	1 x Audio jack for external Microphone	
MobiPanel™ 100 with 10.4" high brightness TFT LCD, Intel StrongArm 206 MHz CPU, 64 MB DRAM and 32 Flash memory on board, English OS image pack and PCMCIA WLAN card adapter / America	1 x USB Type B connector for synchronize with PC	
MPC-100-HJ0J01	1 x DC-in jack	
MobiPanel™ 100 with 10.4" high brightness TFT LCD, Intel StrongArm 206 MHz CPU, 64 MB DRAM and 32 Flash memory on board, Chinese OS image pack and PCMCIA WLAN card adapter / America	Operating Temperature 0° ~ 40°	
MPC-AP-IE716E	Storage Temperature -20° ~ 60°	
MobiPanel™ 100 with 10.4" high brightness TFT LCD, Intel StrongArm 206 MHz CPU, 64 MB DRAM and 32 Flash memory on board, Japanese OS image pack and PCMCIA WLAN card adapter / Japan	Operating Humidity 20% ~ 90%	
MPC-100-901	IP 53 protection for water / dust	
Cradle station for MPC-100 series	3 feet free drop impact resistance	
	Vibration/ shock : IEC 68-2-27	
	FCC class B, CE, UL/CUL, BSMI, VCCI, CCB	
	Medical UL2601-1, CE-EN60601-1 (Optional)	
	All specifications are subject to change without notice.	
	Please contact Advantech sales representatives for more optional items.	

# Boundless Information Access



## Applications

### On-Site CAD Mobility in Utility Industry



CAD mobility has long been desired by utility field industry professionals for its convenience in improving efficiencies, and regarded as an indicator to the nation's evolution towards the eWorld. The integration of the MobiPanel™ 100 with the CAD system becomes an ideal solution in connecting field professionals to the control and data centers with the latest wireless technology.

- Public Service Administration: Gas/Water/Electricity Supplying Systems, Sewage Treatment etc.
- Civil Service Administration: Draining system, Flood Control System, Road Construction, Street-lamp Construction, etc.
- Disaster/Emergency Treatment System

### On-Site Inspection in Manufacturing Automation Industry



With the development of mobile computing devices and automation applications, this industry has realized that deploying mobilized technology in their manufacturing and product status reporting system is not a dream any more. Now the automation engineers can easily carry out the tasks.

It is our aim to improve the working status and enhance the communication between the remote engineers by providing more convenient mobile computing devices like the MobiPanel™ 100, and at the same time lower the communication costs.

- Production status monitoring and reporting
- Remote controlling
- Real-time data acquisition

### Real-Time Service for Healthcare in Hospital and at the remote



Mobile and wireless solutions are not only ensuring professional practice, but also gaining patient trust in the healthcare arena. These healthcare professionals are increasing using mobile computing devices, which are connected to hospital LANs through wireless mobiles, to provide instant service to patients in hospitals, or remotely through GPRS and GSM telecommunication technology.

- Patient data retrieval, research, acquisition
- Data transmission from ambulance to hospital and vice versa
- Remote prescription service
- Routine bed-side treatment
- Emergency medical service

### On-Site Service for Hospitality Industry



Modern restaurants and hotels have been deploying wireless mobile handheld devices for their field sales forces to improve services and manage service cost-effectively. Guests no longer need to queue up for check-in at the front desk. The crews will simply and quickly check the guests in with wireless handheld devices anywhere in the restaurants or hotels. On top of that, field sales can immediately confirm the availability of restaurant conference rooms or suit rooms with their GPRS/GSM equipped handheld devices.

- Guest check-in
- Restaurant/Hotel reservation
- Synchronize sales force remotely

### On-Site Inventory in Warehousing Service



Manual inventory system is being replaced with the procedures that take advantage of mobile computing technology of wireless handheld devices at the speed beyond our prediction. The mobilization and relatively low costs of handheld devices are driving corporations to deploy them in workplaces. With the introduction of the MobiPanel™ 100, the traditional method of hand-counting inventory once a month will be obsolete and replaced with the use of wireless handheld devices which will highly facilitate warehouse management.

- Routing
- Accounting
- Distribution
- Data updating, accessing and acquisition

### On-Site Services in Airline and Railway Industries



Airlines and railway companies have initiated the implementation of the hand-held computing devices, similar to the MobiPanel™ 100, on their wireless network, used by the agents at the check-in gates and on the airport/train stations.

The objective is to improve productivity, reduce passenger line-ups and take-off delays, speed up baggage handling process, reduce lost bags and improve passenger security and service.

- Ticketing
- Schedule information
- Baggage handling
- Maintenance Status