

MCL-CLIENT V3

INTELLIGENCE INSIDE YOUR MOBILE COMPUTERS



FEATURES

Cross-Platform Compatibility

MCL-Client abstracts the MCL application from the physical computer and operating system.

Multimodal Access

MCL-Client gives your applications the ability to control whether a user input allows barcode scanning, touch screen, keyboard, voice recognition, imaging, or RFID or a combination of these inputs.

Input Control

MCL-Client's device control lets you define valid user input to ensure that only the desired type of input of information is allowed at any given time.

Put the intelligence in your mobile computers and run stand-alone batch or networked real-time applications. Benefit from the unique features of every device to maximize mobile worker productivity and data collection accuracy.

MCL-Client

Organizations throughout the world choose MCL-Collection for its flexibility, modular architecture, cross-platform compatibilities, and multimodal applications. MCL-Client is the component of MCL-Collection that makes these benefits possible. It provides device level control of your mobile computers to:

- Control the unique features of each mobile computer
- Run applications with multimodal user interfaces
- Provide voice recognition
- Allow different modes of communication
- Support cross-platform compatibility and application portability

The MCL-Collection has a thick-client/server architecture. MCL-Client is the component of MCL-Collection that runs on the mobile computer and executes the MCL application you create using MCL-Designer. As a result, your mobile worker applications run on the mobile computer and not on the host. MCL-Client puts the application intelligence on the mobile computer allowing the device to 'think' for itself.

Worker productivity is maximized as mobile workers use the data capture technology that is most convenient — be it barcode scanning or voice recognition — and go about their tasks without regard for host or network status.

Features & Benefits

Cross-platform compatibility

MCL-Client abstracts the MCL application from the physical computer and operating system. This approach makes cross-platform compatibility and application portability possible and future-proofs your applications.

Multimodal access

MCL defines multimodal access as:

- The combination of multiple data capture technologies in one mobile worker application

MCL-Client gives your applications the ability to control whether a user input allows barcode scanning, touch screen, keyboard, voice recognition, imaging, or RFID, or any combination of these inputs, or all of these inputs. Having the intelligence on the mobile computer gives you direct control of the various capabilities of the mobile computer.

This device level control and flexibility lets you implement true multimodal mobile worker applications.



Voice Recognition

With MCL-Client's intelligence on the mobile computer, fast and efficient voice-enabled and voice-directed mobile worker applications are a reality.

Communications

MCL-Client's thick-client approach ensures very fast network response times. MCL-Client minimizes the communications flow between your host and the mobile computer. This minimizes network traffic and optimizes network bandwidth usage since only real transaction data, validations and lookup tables are normally transmitted.

Peripheral Support

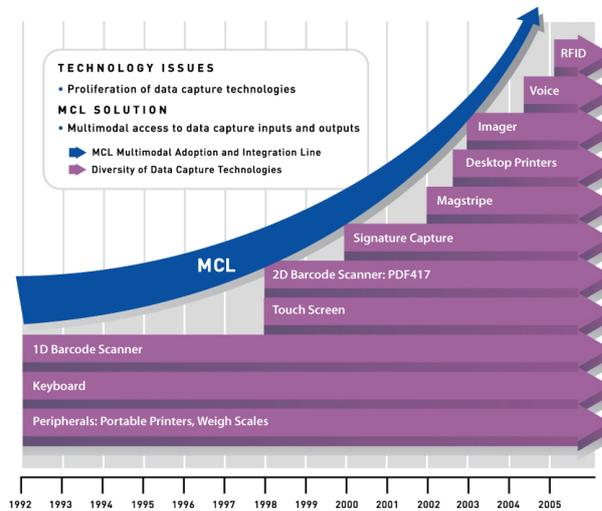
MCL-Client handles the interface to peripherals connected to the mobile computer. Examples include portable printers and weight scales.

Application Maintenance

MCL continually updates the MCL-Clients to keep them current with the latest mobile computer system software and hardware upgrades. Keeping your MCL-Client current gives you the latest updates for your mobile computers without you ever having to maintain a single line of code.

Input Control

MCL-Client's device control lets you define valid user input very specifically. For example, in retail warehouse environments, individual items in inventory usually have UPC or EAN barcodes on them. Cases and shipping cartons usually have Code 128 barcodes on them. The locations where the items are stored are usually labeled with Code 39 barcodes. MCL-Client gives your application the control to allow only UPC, EAN and Code 128 barcodes for item inputs, and only Code 39 barcodes for location inputs. MCL-Client thereby prevents your mobile workers from accidentally scanning an item as a location input and vice versa.



Voice Recognition

Having the intelligence on the mobile computer also makes voice-enabled and voice-directed mobile worker applications a reality. In order for voice input and output to be practical and increase worker productivity, the speech-to-text and text-to-speech translations must be extremely rapid. Since MCL-Client performs the voice recognition right on the mobile computer, voice translations are virtually instantaneous, giving the mobile workers immediate feedback on their voice operations. This is also very important as users generally have a low tolerance for delays in voice responsiveness.

Communications

MCL-Collection's thick-client approach gives very fast network response times. By running the mobile worker application on the mobile computer, MCL-Client minimizes the communications flow between your host and the mobile computer. This minimizes network traffic and optimizes network bandwidth usage since only real transaction data, validations, and lookup tables are normally transmitted. This is particularly important in WWAN applications where costs escalate with bandwidth usage.

MCL-Collection allows you to integrate a broad range of communications mediums, such as Serial, USB, WiFi and WWAN. Since the intelligence is on the mobile computer you can design your mobile worker applications to operate in a continuously connected, casually connected, or occasionally connected mode; and in a real-time or batch mode according to your business needs. Wireless MCL applications may send transactions immediately as they occur, or store data for transmission at a later time.

New hardware and system software

As new hardware, such as Bluetooth, WLAN, WWAN, barcode scanners, imagers, and voice capable audio circuitry, are released, MCL-Client is updated to support the hardware upgrades, new capabilities and new technologies. MCL-Client is also continually being updated to handle new operating systems. To benefit from new hardware or hardware upgrades, all you need to do is install the latest MCL-Client on your mobile computers. By contrast, consider the effort if you develop your application in a C-language, VB, or Java. It becomes your responsibility to re-qualify your application with any new hardware and system software/drivers.

Application maintenance

MCL continually updates the MCL-Clients to keep them current with the latest mobile computer software and hardware upgrades. MCL abstracts your application from the underlying system software and hardware, so you don't have to worry about it.

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