



# LanStar 21<sup>st</sup>

Pure Software Multimedia Network Learning Platform

"GoldenSoft LanStar 21<sup>st</sup> is a set of structured electronic educational training platform software that makes it easy for the teacher and the students to communicate and learn through computers! It also provides lots of modular functions for providing expert solutions according to the needs of each training center.



## Target Markets

### Education market

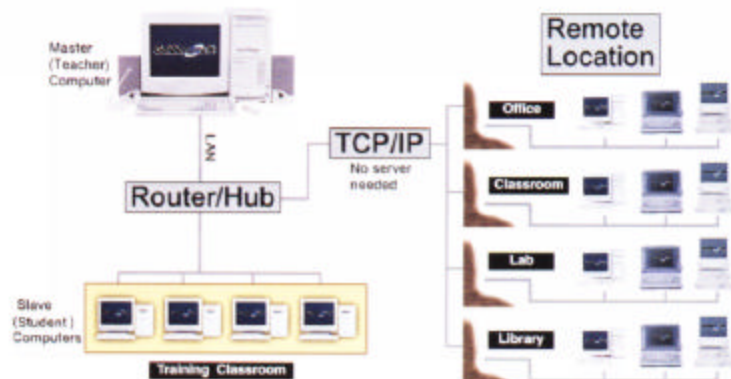
1. Computer education training
2. General class teaching
3. Electronic library
4. Administration office
5. Campus monitoring center

## Features

1. Network server is not required, can be installed under peer-to-peer network environment
2. Real-time simultaneous broadcasting and remote control effect
3. The teacher's computer can monitor 16 sets of computer displays simultaneously
4. Powerful network management tool
5. TCP/IP protocol applicable to all types of local area network environments
6. Synchronous audio and video, MPEG-1 can reach 30 frames/sec
7. Supports cross software/hardware routers
8. Modular design for adding other function modules



Winning Awards of "Best of Taiwan's Best Awards" on Comdex Fall 2000.





From the learning point of view, LanStar can set up a complete learning environment that allows the teachers to use all learning tools easily, upgrade learning quality, increase interaction between teacher and students. The lecturer can fully control the entire site with just one machine.

## Lanstar Function Classification: more than 30 functions in 4 groups

**1.Broadcast Tool Group:** During lectures, the teacher has to show lots of data and slides by projector in order to strengthen the learning effect. The tool group provides lots of broadcasting methods to allow the lecturer to send screen and voice through the network to the students' computer screens and earphones, greatly upgrading the education efficiency.

### Functions

#### Broadcast Tool Group

- Full-screen broadcasting** The teacher can broadcast his/her screen and voice to all students for teaching demo and students can receive teacher's operation screen at their own desk.
- Window broadcasting** Broadcasting the teacher's screen in window format on students' screen so that students can view the demo and practice at the same time to achieve simultaneous learning.
- Multi-channel broadcasting** The teacher can use the multiple channel broadcasting function to broadcast different teaching movies, music or VCD so that students can select the appropriate program content for viewing and learning according to individual needs.
- Relay broadcasting** The teacher can specify one student's screen and sound, broadcast to other students' computers so that they can also observe and learn.
- Network Movie** The teacher can use the network movie theater function to force all students to receive synchronous video and audio learning content or recreational movies at the same time.

#### Education Toolkit

- Electronic Whiteboard** During lecture, the electronic whiteboard can be displayed on the screen in transparent so that the teacher can add the line, frame, arrow, circle, text, zoom out and guide tool icons and broadcast its screen to the students so as to clearly understand the item being explained by the teacher.
- Voice Teaching** When the lecture requires direct communication between the teacher and students, the teacher can use the voice function to interact with students directly from his/her desk. The voice can also be relayed directly to other students.
- Demo Lesson** The teacher can specify one student and operate the teacher's computer. At the same time, the teacher screen will be transferred real-time to the other students' screens so that they can also understand all the demo processes.
- File Transfer** The teacher can use the file transfer function to send folders or files directly to students' computer.
- Teaching by Group** When some teaching activities must be performed in groups, the teacher can divide the students into different groups and specify the group leaders. The group leader can perform group teaching activities such as group broadcast, group monitor, group online discussion and group bulletin.
- Online Discussion** When interactive discussion among students is required, students can use the online discussion functions such as voice, text and graphics method for live discussion without leaving their desks.
- Mute** When the computer classroom is very unorderedly and the teacher wants the student to pay extra attention, he/she can switch the student's screen to mute and at the same time, disable the student's mouse operation so that the student can only listen carefully to the teacher's explanation.
- Electronic Hand-raising** Students can use the electronic hand-raising function to immediately let the teacher know that he/she has a question. The teacher screen clearly displays the location of the student asking the question and then it can use the monitor, voice or remote control functions to solve the problem.
- Submission of Assignments** The student can submit assignments directly into the folder specified by the teacher through the network.



**2. Monitoring Tool Group:** To understand the students' computer operation status, the teacher must move around and observe if the students are catching up with the work progress, operating erroneously or not working hard but playing games or browsing the Internet. This tool group can provide lots of monitoring and powerful remote control functions so that the teacher can monitor and control the student's computer from his/her own computer.

**3. Education Toolkit:** Provides toolkits such as interactive discussion during lessons to increase teaching quality and performance.

**4. Support Maintenance Group:** To the teacher and MIS personnel that repair and maintain lots of office computers, maintenance is a very complicated and time-consuming task. LanStar provides complete support maintenance tool that allows the teachers or MIS personnel to maintain all corporate computers by maintenance group functions.

## Monitoring Tool Group

### Full Screen Monitoring

Performs continuous monitoring of a single student computer from the teacher.

### 16 Windows Monitoring

The teacher can monitor a maximum of 16 students simultaneously.

### Alternate Monitoring

If it is necessary to understand the operation conditions of all students, the teacher can use alternate switching method to send the screens of all students to the teacher screen simultaneously to be displayed alternately.

### Remote Control

The teacher can use any monitoring function to observe if any student is lagging behind schedule, operating wrongly or not working hard (playing game or browsing Internet) and switch immediately to remote control to operate the student computer or correct the error.

## Support Maintenance Group

### Remote Command

The teacher can use the remote command function to execute a certain program in students' computers to achieve learning and management.

### Remote Information

The teacher can use the remote information function to check the student's software and hardware equipment and forcibly abort some running programs in the student's computer.

### Remote Power On/Off

The teacher can power on, power off or reboot a single computer or all computers by remote.

### Remote Policy

The teacher can set up the Windows settings on any student's computer or even delete certain functions in the operating system to achieve teaching and management.



## Version comparison table

### LanStar 21st Standard Version

Provides basic educational training platform to satisfy the broadcasting and monitoring functions needed for a classroom environment and teaching presentations.

### LanStar 21st Professional Version

Provides enhanced educational training platform needed for enhanced complete teaching platform suitable for several classrooms.

### LanStar 21st Flagship Version

Provides total educational training and maintenance management platform suitable for a larger environment (such as campus multimedia network), multiple network structure with cross software and hardware routers and powerful remote maintenance management platform.

## GoldenSoft LanStar 21<sup>st</sup> version difference table

Function	Flagship Version	Professional Version	Standard Version
Broadcast (full screen, window)	●	●	● No window broadcast and sound
Relay Broadcast	●	●	● No voice talk
Voice Teaching	●	●	○
Answering	●	●	○
Monitoring (alternate, 16 windows)	●	●	● No 16 windows monitoring
Remote Control	●	●	● No online chat
Demo	●	●	●
Group Activity	●	●	○
Mute	●	●	●
Remote Power On/Off/Reboot	●	○	○
Remote Boot	●	○	○
Electronic Whiteboard	●	●	○
Remote Information	●	○	○
Online Discussion	●	●	○
File Transfer	●	●	●
Network Movie	●	○	○
Remote Setting	●	○	○
Remote Command	●	○	○
Multi-channel Broadcasting	●	●	○
Support IGMP Hardware Router	●	○	○
Router Program	●	○	○
Gateway Program	●	○	○

●Yes ○No

### Hardware Requirements

#### Student-side

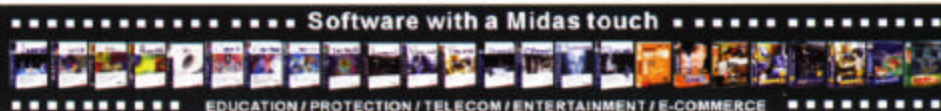
CPU: Pentium MMX 166 or above  
 Main Memory: 32 MB or above  
 Network Card: 10/100 Mbps Ethernet network card  
 Display Card: Normal display card  
 Sound Card (Optional)

#### Teacher-side

CPU: Pentium II 233 or above  
 Main Memory: 128 MB or above  
 Network Card: 10/100 Mbps Ethernet network card  
 Display Card: Normal display card

### Software Requirements

Operating System: Windows 95/98/Me/NT 4.0/2000  
 Windows 95 must install Direct Media 6.0, WinSock 2.0, DirectX 6.0 or above  
 Windows 98 must install DirectX 6.0 or above  
 Windows NT 4.0 must upgrade to Service Pack 3 or above and DirectX Media 6.0 or above  
 Supporting TCP/IP Protocol



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