

TIPE AA COMPUTERIZED LABORATORIUM BAHASA



MASTER SIDE

MASTER CONTROL

Pengendali utama sistem Lab Bahasa yang berbasis software komputer
Bisa dilengkapi dengan sistem touchscreen (optional)

MGLab



SYSTEM CONTROL

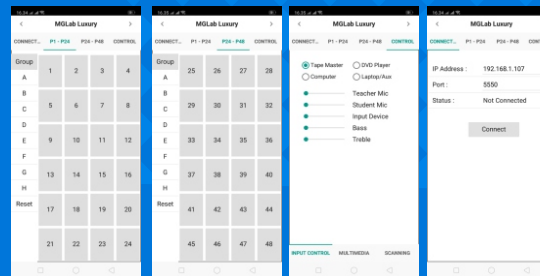
Micro Control System with internal memory, RS 232 Control
Digital Circuit Operating Voltage 5 VDC +/-3% TTL Level
Data Speed 19200 Kbps
High Power Amplifier
Tone Control DC Voltage
Pre Amplifier DC Voltage



Output Headset Earphone: 8-16Ω Output Room Speaker : 8Ω
Power Supply : 220/240V - 50Hz
Power Consumption : 300-400 Watt
Input : Headset 30-60Ω Master Tape, Computer, DVD, Audio Recorder, Auxiliary
Frequency Response : 100-10000 Hz S/N Ratio 50 dB

Maximum absolute ratings

1. Operating Voltage 24 VDC (Audio Circuit)
6 VDC (Digital Circuit)
2. Operating Temperature 85°C
3. Stand by temperature 30°C



SOFTWARE CONTROL

1. Listening function
2. Intercom function
3. Writing function with keyboard control (optional)
4. Conversation
5. Video Repeater
6. Recording audio format mp3
7. Visualized Attender names and layout
8. Preprogrammable Seat Layout
9. User Friendly Graphical User Interface
10. Databased class, teacher, student as user entries
11. Evaluator Quiz (optional)
12. Keyboard Control
13. Inzo Features
14. Group Selector
15. Autorun with Adjustable Delay
16. Integrated on Android Device

COMPUTER MASTER

Acer

Processor Intel® Core™ i5
Memory 8GB DDR4
Storage 512 GB SSD
Monitor 21.5 inch
Windows 11 Home
DVD/DRW
Keyboard + Mouse



HEADSET TEACHER

MGLab MG 888MV

Mic

Type : Condenser
Freq Response : 30 - 16.000 Hz
Impedance : 32Ω, Sensitivity : -58+/- -3dB

Earphone

Freq Response : 20 - 16.000 Hz
Impedance : 32Ω, Sensitivity : 105 dB/mW, Cable lenght : 1,5 m
Connector/plug : 3 pin



MIC WIRELESS

Shure / Sejenis

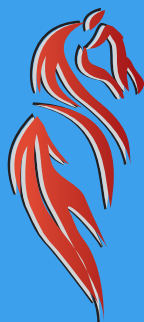
Frequency Stabilization : <±30
Dynamic Range : >80dB
Total Harmonic Distortion : >0.5%
Frequency Response : 40Hz - 18KHz ±3dB
Signal-to-Noise Ratio : ≥ 100dB
Signal/Noise Ratio : >82dB



UPS 700 VA

APC

Capacity 700 VA;
360 watt;
50/60Hz +/- 1 Hz;



ARION
INDONESIA

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MEJA MASTER

MGLab

- Bahan: Particle Board laminasi PVC Sheet
- Warna : Beech
- Model U barang buatan pabrik (Knock down system)
- Ukuran Model U: 210x120x75cm



KURSI MASTER

MGLab

Kursi dapat diputar, mempunyai sandaran lengan, tinggi dapat diatur.



MEJA SISWA (TWINBOOTH)

MGLab

Model Twin Booth
Bahan: Particle Board 15mm dengan laminasi PVC Sheet warna Beech dengan kaca & nomor siswa di bagian depan
Ukuran: 123 x 118 x 54 cm
Barang buatan pabrik (Knock Down System)



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Freq Response : 30 - 16.000 Hz
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STUDENT SIDE

STUDENT CONSOLE

MGLab

MG LAB (Student Console)
Minimal memiliki fungsi utama sebagai berikut :
* Menggunakan lampu LED
* Record Out
* Fungsi memanggil/Call; siswa tinggal menekan tombol "Call" untuk menghubungi guru.



Spesifikasi

Frequency Response : 63-10.000Hz
S/N Ratio : > 50dB
Distortion : < 3%
Input Mic : - 60 dB
Intercom : - 15 dB, 5000
Headset : - 10 dB

STUDENT CHAIR

Fortuner

Bahan stainless steel, jenis lipat (Folding Chair)
Tinggi : 810 mm
Lebar : 375 mm
Panjang : 395 mm



KONEKSI

INSTALASI KABEL AUDIO dan POWER

MGLab

PC : Kabel 3x1.5 mm
UPS : Kabel 3x2.5 mm
Kabel LAN : Belden Cat 6



KELENGKAPAN RUANGAN

ROOM SPEAKER

MGLab

Speaker Size : 8 inch (Three Way)
Power : 20.000 PMPO



LCD PROJECTOR 3600 Lumens

+ Wall Screen + pasang

Benq / Epson

Sistem Projector : DLP Technology
Resolusi Native : SVGA (800 x 600)
Brightness : 3600 Lumens
Rasio Kontras : 20,000:1
Rasio Aspek : 4:3
Rasio Besaran (Zoom) : 1.1:1
Tipe Lampu : 200W
Kesesuaian Video : NTSC, PAL, SECAM
Daya / Power : AC100 to 240V, 50/60Hz
Dimensi (WxHxD)(mm): 296 x 120 x 221



KARPET + PEMASANGAN

Jawa

Bahan terbuat dari serabut plastik, tebal 4mm
Polypropylene, Lebar 4 meter dan panjang mengikuti ukuran ruangan lab & dilapisi karpet



BOX STAGE MASTER dan BOX STAGE KABEL

MGLab

Box Stage Master bahan multiplex dilapisi karpet, ukuran 240x180x20 cm
Box Stage Kabel bahan multiplex dilapisi karpet, ukuran 240x60x12 cm



OPTIONAL

EVALUATOR QUIZ

with Keyboard and LCD Display

Proses Instalasi sederhana, Dongle security, Klien Up to 50 channel, Kompatible dengan tipe Lab Bahasa Digital apapun, LCD Display, Keyboard PS2/Keypad Numerik, Registrasi acak di klien manapun, 5 tombol digital quiz, Aplikasi Software mudah dan familiar (standart office), Support Double Exam, Support import/export data to excel, Modem wavecomm for SMS, Tampilan Grafik report, Tampilan Nilai Mean, Median dan Modus, Detail history jawaban, Auto SMS report to client Manual SMS to client, Pembuatan soal bisa dilakukan di Ms. Word



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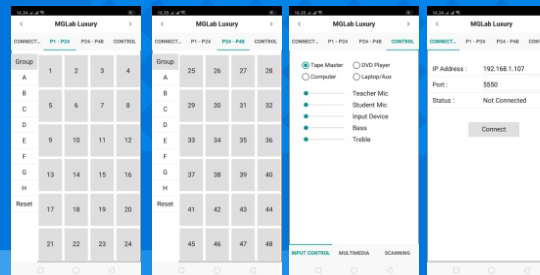


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DVDRW
Keyboard + Mouse



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AUDIO RECORDER

MGLab



Support MP3, WMA, WAV; Support USB/SD memory; Recorder rate: highest bit rate for 192 Kbps, WAV format; LCD display, support multilateral languages, enter subdirectory, scan folders, display lyricsLine in record, the external audio source can be recorded into the SD card or U disk; Connect computer: USB sound card; Additional functions: calendar, clock, alarm clock, can by USB cable connect to computer to download SD card; IR remote control; Support Multilanguage, reach to 24 countries

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+ Wall Screen + pasang

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Sistem Projector : DLP Technology
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KELENGKAPAN

INSTALASI KABEL AUDIO dan POWER

MGLab



PC : Kabel 3x1.5 mm
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Kabel LAN : Belden Cat 6

ROOM SPEAKER

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Speaker Size : 8 inch (Three Way)
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TIPE AAC FLEX COMPUTERIZED LABORATORIUM BAHASA



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MGLab



SYSTEM CONTROL

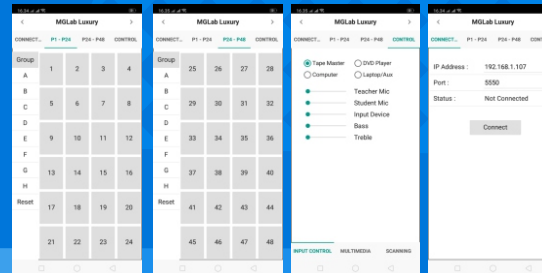
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UPS 700 VA

APC

Capacity 700 VA;
360 watt;
50/60Hz +/- 1 Hz;



MEJA MASTER

MGLab

Bahan : Particle Board 15mm dengan laminasi PVC Sheet warna Beach model U / Standart
Barang Buatan pabrik (knock down system)
Ukuran model U : 210 x 120 x 75 cm
Ukuran model Standart : 180 x 80 x 75 cm



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KURSI MASTER

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DOCUMENT CAMERA

Avervision

Document Camera, 16X total zoom (2X AVerZoom™ + 8X digital zoom), HDMI Output, 5M Pixel, Resolution Full HD1080p (1920 x 1080)

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Model Twin Booth
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Kesesuaian Video : NTSC, PAL, SECAM
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KARPET + PEMASANGAN

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KELENGKAPAN

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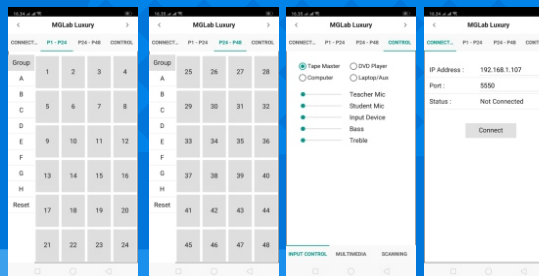
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Monitor LCD 21,5 inch

(2 siswa 1 monitor) + instalasi

LCD Screen size 21,5",
Aspect Ratio 16:9,
Resolution 1920x1080



Splitter HDMI+ Kabel HDMI 1 Set

Aten / Netline



KELENGKAPAN

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ROOM SPEAKER

Speaker Size : 8 inch (Three Way)
Power : 20.000 PMPO

MGLab



LCD PROJECTOR 3600 Lumens

+ Wall Screen + pasang

Benq / Epson

Sistem Projector : DLP Technology
Resolusi Native : SVGA (800 x 600)
Brightness : 3600 Lumens
Rasio Kontras : 20,000:1
Rasio Aspek : 4:3
Rasio Besaran (Zoom) : 1.1:1
Tipe Lampu : 200W
Kesesuaian Video : NTSC, PAL, SECAM
Daya / Power : AC100 to 240V, 50/60Hz
Dimensi (WxHxD)(mm): 296 x 120 x 221



KARPET + PEMASANGAN

Jawa

Bahan terbuat dari serabut plastik, tebal 4mm
Polypropylene, Lebar 4 meter dan panjang mengikuti ukuran ruangan lab & dilapisi karpet



BOX STAGE MASTER dan BOX STAGE KABEL

MGLab

Box Stage Master bahan multiplex dilapisi karpet, ukuran 240x180x20 cm
Box Stage Kabel bahan multiplex dilapisi karpet, ukuran 240x60x12 cm



OPTIONAL

EVALUATOR QUIZ

with Keyboard and LCD Display

Proses Instalasi sederhana, Dongle security, Klien Up to 50 channel, Kompatible dengan tipe Lab Bahasa Digital apapun, LCD Display, Keyboard PS2/Keypad Numerik, Registrasi acak di klien manapun, 5 tombol digital quiz, Aplikasi Software mudah dan familiar (standart office), Support Double Exam, Support import/export data to excel, Modem wavecomm for SMS, Tampilan Grafik report, Tampilan Nilai Mean, Median dan Modus, Detail history jawaban, Auto SMS report to client
Manual SMS to client, Pembuatan soal bisa dilakukan di Ms. Word



TIPE LUX COMPUTERIZED LABORATORIUM BAHASA



MASTER SIDE

MASTER CONTROL

Pengendali utama sistem Lab Bahasa yang berbasis software komputer
Bisa dilengkapi dengan sistem touchscreen (optional)

MGLab



SYSTEM CONTROL

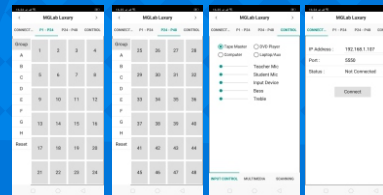
Micro Control System with internal memory, RS 232 Control
Digital Circuit Operating Voltage
5 VDC +/-3% TTL Level
Data Speed 19200 Kbps
High Power Amplifier
Tone Control DC Voltage
Pre Amplifier DC Voltage



Output Headset Earphone: 8-16Ω Output Room Speaker : 8Ω
Power Supply : 220/240V - 50Hz
Power Consumption : 300-400 Watt
Input : Headset 30-60Ω Master Tape, Computer, DVD, Audio Recorder, Auxiliary
Frequency Response : 100-10000 Hz S/N Ratio 50 dB

Maximum absolute ratings

1. Operating Voltage 24 VDC (Audio Circuit)
6 VDC (Digital Circuit)
2. Operating Temperature 85°C
3. Stand by temperature 30°C



SOFTWARE CONTROL

1. Listening function
2. Intercom function
3. Writing function with keyboard control (optional)
4. Conversation
5. Video Repeater
6. Recording audio format mp3
7. Visualized Attender names and layout
8. Preprogrammable Seat Layout
9. User Friendly Graphical User Interface
10. Databased class, teacher, student as user entries
11. Evaluator Quiz (optional)
12. Keyboard Control
13. Inzo Features
14. Group Selector
15. Autorun with Adjustable Delay
16. Integrated on Android Device

KOMPUTER MASTER

Processor Intel® Core™ i5
Memory 8GB DDR4
Storage 512 GB SSD
Monitor 21.5 inch
Windows 11 Home
DVDRW
Keyboard + Mouse

Acer



HEADSET TEACHER

MGLab MG 888MV

Mic

Type : Condenser
Freq Response : 30 - 16.000 Hz
Impedance : 32Ω, Sensitivity : -58+/- -3dB

Earphone

Freq Response : 20 - 16.000 Hz
Impedance : 32Ω, Sensitivity : 105 dB/mW, Cable lenght : 1,5 m
Connector/plug : 3 pin



MIC WIRELESS

Frequency Stabilization : <±30
Dynamic Range : >80dB
Total Harmonic Distortion : >0.5%
Frequency Response : 40Hz - 18KHz ±3dB
Signal-to-Noise Ratio : ≥ 100dB
Signal/Noise Ratio : >82dB

Shure / sejenis



UPS 700 VA



APC

Capacity 700 VA;
360 watt;
50/60Hz +/- 1 Hz;

MEJA MASTER

Bahan : Particle Board 15mm dengan laminasi PVC Sheet warna Beach model U / Standart
Barang Buatan pabrik (knock down system)
Ukuran model U : 210 x 120 x 75 cm
Ukuran model Standart : 180 x 80 x 75 cm

MGLab



CENTRAL CONTROL

Media / Evert CMC

Power supply: AC: 200-240V

Signal interinterface: Audio/video input & output
VGA input (include laptop)
VGA output
3.5 stereo output

Power Control: Built-in projector power off protection
Delay time can be modified
Built-in electronic screen's power supply

Control method: Db9 standard learning interface
Infrared RS 485 bilateral control



**ARION
INDONESIA**

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KURSI MASTER

Kursi dapat diputar, mempunyai sandaran lengan, tinggi dapat diatur.

MGLab



DOCUMENT CAMERA

Document Camera, 16X total zoom (2X AVerZoom™ + 8X digital zoom), HDMI Output, 5M Pixel, Resolution Full HD1080p (1920 x 1080)

Aversion



AUDIO RECORDER

MGLab



Support MP3, WMA, WAV; Support USB/SD memory; Recorder rate: highest bit rate for 192 Kbps, WAV format; LCD display, support multilateral languages, enter subdirectory, scan folders, display lyricsLine in record, the external audio source can be recorded into the SD card or U disk; Connect computer: USB sound card; Additional functions: calendar, clock, alarm clock, can by USB cable connect to computer to download SD card; IR remote control; Support Multilanguage, reach to 24 countries

MOUSE + PEN TABLET

- Genius
- 8" x 6" working area, comfortable for easy drawing, painting and using the PC
 - Cordless mouse and pen design gives you unlimited freedom
 - 3D scroll wheel for fast browsing on the internet and in Windows documents
 - Make handwriting notes/drawings on the internet & any application program
 - 1024-level pressure sensitivity for all kinds of shapes and thickness control



STUDENT SIDE

STUDENT CONSOLE

MG LAB (Student Console)
Minimal memiliki fungsi utama sebagai berikut:
* Menggunakan lampu LED
* Record Out
* Fungsi memanggil/Call; siswa tinggal menekan tombol "Call" untuk menghubungi guru

MGLab



Spesifikasi

Frequency Response : 63 - 10.000 Hz
S/N Ratio : > 50 dB
Distortion : < 3%
Input Mic : - 60 dB
Intercom : - 15 dB, 5000
Headset : - 10 dB

STUDENT CHAIR

Fortuner

Bahan stainless steel,
Tinggi: 810 mm,
Lebar: 375 mm
Panjang: 395 mm
jenis lipat (Folding Chair)



MEJA SISWA (TWINBOOTH)

MGLab



Model Twin Booth
Bahan: Particle Board 15 mm dengan laminasi PVC Sheet warna Beech dengan kaca & nomor siswa di bagian depan
Ukuran: 123 x 118 x 54 cm
Barang buatan pabrik (Knock Down System)

HEADSET SISWA

Mic

MGLab MG 888MV

Type : Condenser
Freq Response : 30 - 16.000 Hz
Impedence : 32Ω
Sensitively : -58+/- -3dB

Earphone

Freq Response : 20 - 16.000 Hz
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Sensitively : 105 dB/mW
Cable lenght : 1,5 m
Connector/plug : 3 pin



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KELENGKAPAN

KARPET + PEMASANGAN

Jawa



Bahan terbuat dari serabut plastik, tebal 4 mm Polypropylene, Lebar 4 meter dan panjang mengikuti ukuran ruangan
Lantai pada ruangan lab. dilapisi karpet

BOX STAGE MASTER dan BOX STAGE KABEL

Box Stage Master bahan multiplex dilapisi karpet, ukuran 240x180x20 cm
Box Stage Kabel bahan multiplex dilapisi karpet, ukuran 240x60x12 cm

MGLab



Set Box TV Digital

Matrix

- Menggunakan Antena UHF;
- Lebih peka terhadap sinyal dibanding mesin yg lain;
- Gambar dijamin bagus dan bening;
- 2 Output = HDMI dan RCA



INSTALASI KABEL AUDIO dan POWER

MGLab



PC : Kabel 3x1.5 mm
UPS : Kabel 3x2.5 mm
Kabel LAN : Belden Cat 6

ROOM SPEAKER

MGLab

Speaker size: 8 inch (Three Way)
Power: 20.000 PMPO



INTERACTIVE FLAT PANEL 65inch

+ Floorstand Bracket

- OS Version : Android 11.0
- OPS : Chipset : Intel, CPU : Intel®Core i7 10th Generation
- Memory : 16GB
- HDD : 256 SSD
- Touch Point : 40-point touch; 40-point writing under Windows; 20-point writing under Android
- Built-in Document Camera : 13MP (4K) (At the bottom of the frame)
- Built-in AI Camera : 48MP (4K)



PENDINGIN RUANGAN (AC)

Cooling Capacity : 1.5 PK
Voltage : 200 - V/SHZ
Dimension : Indoor 810 x 220 x 151 mm
Outdoor 660 x 540 x 260 mm
Remote Control
24 Hour On/Off

LG / sejenis



INTERNET MODEM

Telkomsel

- Ukuran modem 135x112,5x46 (mm)
- DL/UL Cat 4; - 2x2MIMO LTE
- 2.4GHz WiFi; - 32User
- Up to 15 Mbps



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OPTIONAL

TIPE MTM COMPUTERIZED LABORATORIUM BAHASA



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MGLab



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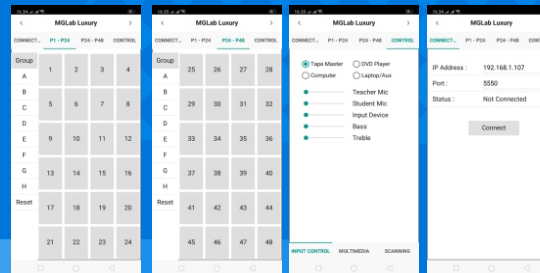


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