



# The allrounder of integrated information systems!



## ColumBus LVA 200 TFT Monitor – quality and reliability combined with noble design.

- Saves bus line within three seconds after system-boot
- Reboot and readiness in less than one minute
- No master-slave connection required
- Easy-to-connect to existing vehicle electronics (power supply, IBIS, if necessary »vehicle stops«)
- Easy playback of custom advertisement (text, image, animation)
- Adjustable rundown time
- Linux based
- No moving parts (fan, hard disk, etc.)
- Viewing angle horizontal 170° and vertical 130° – maximum visibility from (almost) every area
- Contrast 1:600
- Voltage range 10-32 V



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# Data Sheet | Specification ColumBus LVA 200



ÖPNV-SERVICE

Model	LVA 200-15"	LVA 200-17"	LVA 200-19"
CPU Supports	Pentium M 1.6 Ghz / 1.8 Ghz		
Chipset	Intel 852GM and ICH4		
System Memory	DIMM slot, up to 2 GB		
Graphic Memory	Share system memory max 64 MB	Share system memory max 244 MB	Share system memory max 244 MB

LCD / Touch Panel			
LCD Size	15" TFT LCD	17" TFT LCD option	19" TFT LCD option
Brightness	350nits	300nits option	300nits option
Maximal Resolution	1024 x 768	1280 x 1024	1280 x 1024

Storage	
HDD	1GB DOM option 2-10GB
Flash Memory	1 Optional Compact Flash memory (without HDD) for B78 main board only

Expansion	
Mini-PCI Slot	1, support 802.11 a/b/g WLAN Card
PCI express	1 for B98 main board only

External I/O Ports	
USB 2.0	4 x USB Type A
Serial / COM	RJ-45 (COM 1 standard RS-232; COM2 RS232 / 422 / 485 selectable by jumper; COM3 & COM4 pin 9 with 5V or 12V power jumper
Parallel	1 x D-sub 25F
LAN (10/100/1000)	1 x RJ-45
Cash Drawer	1 x RJ-11 (12V or 24V)
Audio Jack	1 x Latch Type
2 <sup>nd</sup> VGA	1 x Mic-in, 1 x Line-out

Internal Interface	
USB 2.0	

### Audio out for bus-stop announcements / Line in

Power	
Power Supply	DC24V / max 80W norm 30-50W

Environment	
EMC & Safety	FCC Class A, CE, LVD, EMV, (e1)
Operating Temperature	0°C – 40°C / 32F – 104F
Storage Temperature	-20°C - 60°C / -4F - 140F
Operating Humidity	5% -95% RH non-condensing
Storage Humidity	5% -95% RH non-condensing
Dust & Water Proof	NEMA 4 / IP 65 (front)

<b>Dimension (W x D x H)</b>	386 x 308 x 60 mm 15.2" x 12.1" x 2.4"	411 x 345 x 60 mm 16.2" x 13.6" x 2.4"	449 x 374 x 60 mm 17.7" x 14.7" x 2.4"
<b>Weight</b>	N.W. 5.8 kgs	N.W. 7.6 kgs	N.W. 9 kgs
<b>Mounting</b>	100mm x 100mm Standard VESA / Panel Mount		
<b>OS Support</b>	Windows Vista for B98, Windows XP, WEPOS, XP Embedded, XP professional Embedded, WIN 2000 professional Embedded, Linux		
<b>Body / Casing</b>	brush-finished stainless steel		

- Multiple accessories on enquiry. (fittings, software, etc.)