

AVNET EMBEDDED SPECIFICATION.

Datasheet
CHILIN
ST-HB42A6X

Brightness 400 cd/m ²	Contrast Ratio 4000:1	Viewing Angle 176° (H/V)	Response Time 6.5ms (GTG)	Display Resolution 1920 x 1080
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ST-HB42A6X 42" Full-HD LCD Monitor

The Chilin ST-HB42A6X display represents the cutting-edge of direct-view LCD technology. It combines ultra-high resolution and unparalleled image quality with configurable I/O in a large format display for a wide range of digital signage and control-room applications. And its optional protective front glass ensures durability.

Key Features

■ Superior Resolution

Full-HD 1080p (1920 x 1080)

■ Ultra-Wide Viewing Angle

176 degree viewing angle

■ Prolonged Life

50,000 hours of viewing time to half of its original brightness

■ Configurable I/O

Standard RGB and video input
Option Audio in & Speaker out /
HD-SDi in/out

■ Durable and Professional Design

All metal structure
Simplicity bezel design to keep the focus on the content
Modular design

■ IRFM™

IRFM technology helps prevent image retention

■ Energy Saving Control

Active ambient light sensor that adjusts brightness automatically

■ Player Mounting Space

(8.7 x 8.7 x 2.3 inch)
Mounting Space reserved for IPC / Player



42" Full-HD LCD Monitor

LCD PANEL

Brightness	400 cd/m ²
Contrast Ratio	4000:1
Viewing Angle	H:176° / V:176°
Response Time	6.5 ms (GTG)
Supported Colors	16.7M colors
Resolution	1920 x 1080 (16:9)

SIGNAL COMPATIBILITY / CONNECTIVITY

Horizontal / Vertical Frequency	30 ~ 80 KHz / 56 ~ 75 Hz
Input Resolution	1920 x 1080 @ 60Hz (Analog) 1920 x 1080 @ 60 Hz (Digital)
DDC	DDC 2B
Connector	VGA / DVI / Component / AV / S-video / Audio (optional) / HD-SDi (optional)
Communication Port (Transport Protocol)	D-Sub 9 Pin In, RJ45 In/Out (RS232C In, RS-485 In/Out)

MECHANICAL

Dimensions w/o Stand (WxHxD)	1022.2 x 615.2 x 124.4 mm / 40.24" x 24.22" x 4.90"
Weight w/o Stand	Net: 30 kg / 66.14 lb, Gross: 36 kg / 79.37 lb
Wall / Arm Mount Type	200 mm x 200 mm / 200 mm x 400 mm VESA
Fanless Design	Yes

OSD FUNCTIONS

OSD Control	RS232C, Push Button, IR Remote Controller
OSD Language	English, Chinese, Japanese
Multimedia	PIP, PBP, Zoom
Source Auto Detect	Yes
OSD Key Lock	Yes

ELECTRICAL

Power Supply	AC 100V ~ 240V (50/60 Hz)
Normal Operation	≤ 231 W
Suspend / Standby	≤ 15W
Power Off	≤ 5W
Power Output	AC 100V ~ 240V (50/60 Hz), 2A DC 12V, 2A

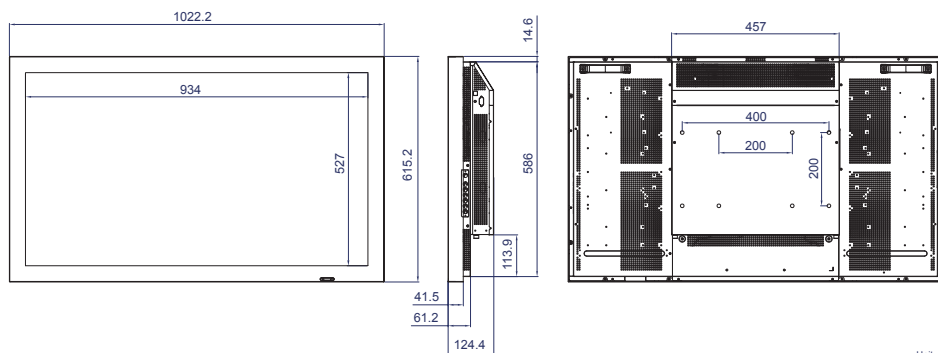
ENVIRONMENTAL

Operating Temperature	5°C ~ 40°C, 80% RH
Storage Temperature	-20°C ~ 60°C, 80% RH

OPTIONS

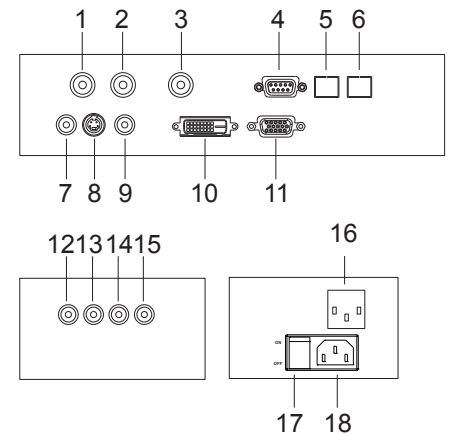
HD-SDi	In x 2, Out x 1 (BNC)
Protective Surface	4 mm AR Tempered Glass
Audio Amplifier	Audio in & Speaker out (RCA)
Speaker	10W x 2EA, 4Ω / 10W+10W(rms) @ THD<1%
Touch	Optical Touch
Other	Stand, Back Cover (I/O cover, R/L cover)

DIMENSIONS



Unit: mm

INTERFACE



1. SDI In 1 (option)
2. SDI In 2 (option)
3. SDI Out (option)
4. RS232 In
5. RS485 In
6. RS485 Out
7. AV
8. S-Video
9. YPbPr
10. DVI
11. VGA
- 12.-15. Audio In / Speaker Out (option)
16. AC-out (2A)
17. Power Switch
18. AC-IN Connector



The lamps in this product contain mercury. Please dispose according to state, local or federal Law.



* Optical specifications without glass.

** Weight and dimensions are approximate. Specifications and design are subject to change without notice. This product may be subject to export control regulations.

AVNET EMBEDDED OFFICES.

DENMARK

Avnet Embedded
Avnet Nortec A/S
Ellekær 9
2730 Herlev
Phone: +45 3678 6250
Fax: +45 3678 6255
denmark@avnet-embedded.eu

FINLAND

Avnet Embedded
Avnet Nortec Oy
Tiilenpolttajankuja 3 A B
1720 Vantaa
Phone: +358 207 499260
Fax: +358 942 597446
finland@avnet-embedded.eu

FRANCE

Avnet Embedded
Avnet EMG France SA
Immeuble 154, Parc Chene 2
5, allée du General Benoist
69000 Bron
Phone: +33 4 72 81 02 30
Fax: +33 4 72 81 02 34
axess-bron@avnet-embedded.eu

Avnet Embedded
Avnet EMG France SA
6-8, rue Ambroise Croizat
ZAE Les Glaises
91127 Palaiseau Cedex
Phone: +33 1 64 47 29 29
Fax: +33 1 64 47 99 99
palaiseau@avnet-embedded.eu

Avnet Embedded
Avnet EMG France SA
ZA la Hallerais le Semiramis
2, allée du Communal
35770 Vern sur Seiche
Phone: +33 2 99 77 37 02
Fax: +33 2 99 77 33 38
axess-rennes@avnet-embedded.eu

GERMANY (AUSTRIA, CZECH REPUBLIC, HUNGARY, POLAND, SWITZERLAND)

Avnet Embedded
Avnet EMG GmbH
Gruber Straße 60c
85586 Poing
Phone: +49 8121 775 500
Fax: +49 8121 775 550
poing@avnet-embedded.eu

Avnet Embedded
Avnet EMG GmbH
Lötscher Weg 66
41334 Nettetal
Phone: +49 8121 775 500
Fax: +49 8121 775 550
nettetal@avnet-embedded.eu

ITALY (PORTUGAL, SPAIN)

Avnet Embedded
Avnet EMG Italy SRL
Via Manzoni, 44
20095 Cusano Milanino
Phone: +39 02 66092 1
Fax: +39 02 66092 498
milano@avnet-embedded.eu

NETHERLANDS (BELGIUM, LUXEMBOURG)

Avnet Embedded
Avnet B.V.
Takkebijsters 2
4802 BL Breda
Phone: +31 76 5722400
Fax: +31 76 5722404
benelux@avnet-embedded.eu

SWEDEN (NORWAY)

Avnet Embedded
Avnet Nortec AB
Esplanaden 3 D
172 67 Sundbyberg
Phone: +46 8 564 725 50
Fax: +46 8 760 01 10
sweden@avnet-embedded.eu

UNITED KINGDOM (IRELAND)

Avnet Embedded
Avnet EMG Ltd.
Pilgrims Court, 15/17 West Street
Reigate, Surrey, RH2 9BL
Phone: +44 1737 227800
Fax: +44 1737 243872
uk@avnet-embedded.eu

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