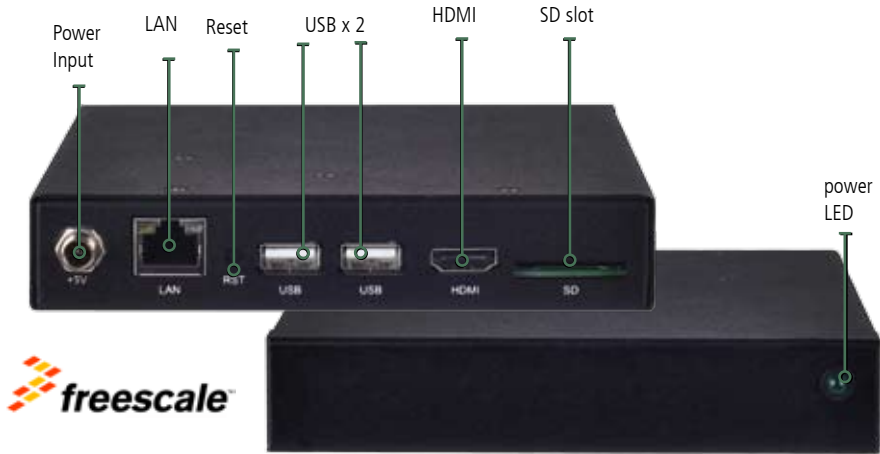


LEC-700 I

Fanless Digital Signage IPC with
freescale™ i.MX 6 series processor



Features

Onboard freescale™ i.MX 6 series processor

The i.MX series processor unleashes a scalable multicore platform that include single-, dual- and quad-core families based on ARM® Cortex™ -A9 architecture for next-generation industrial and automotive applications.

Cost-effective Product with Simple I/O Target on Display Market

This product provides rich I/O interface, includes 1 GbE LAN, 2 USB ports and 1 SD card slot for digital content display.

Extreme Operating Temperature

This product is ruggedized to support a wider than usual range of temperatures. Outfitted with industrial components this appliance can thrive in harsh conditions. OS support Linux BSP or Android.

Fanless Design

This IPC's lifespan has been extended by removing the most easily damaged component, the fan.

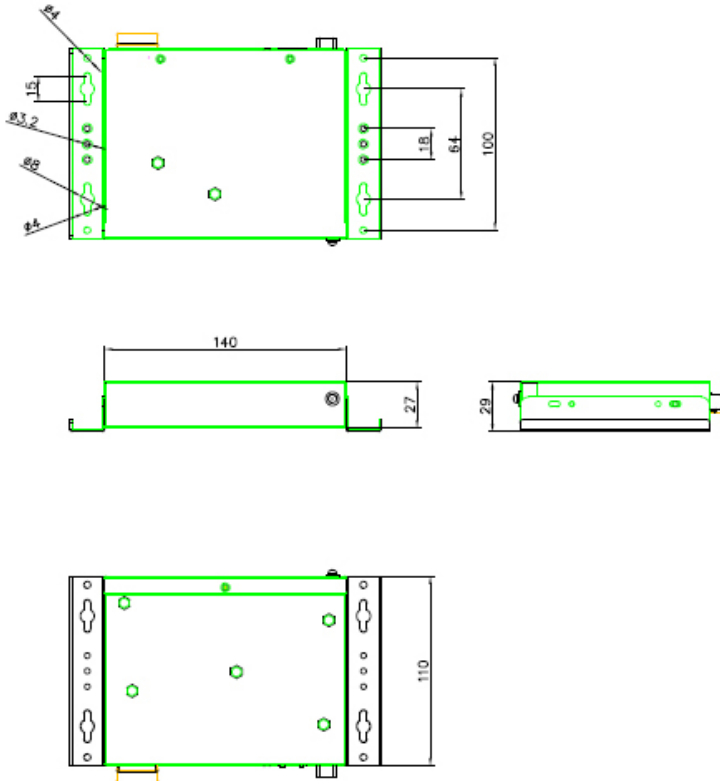
Front Access SD Card slot

To help with easy installation and replacement, this product features an SD Card slot that is accesible through the front side of the case allowing user easy access.

HDMI Display

This platform comes with HDMI port to enable HD multi-stream video playback in high performance. The resolution support 1920x1080p@60fps.

Dimensions 140 x 110 x 26 mm



Preliminary Specifications

Processor Options		freescale™ i.MX 6 series processor
Chipset		N/A
BIOS		N/A
System Memory	Technology	DDR3 1066 MHz
	Capacity	LEC-7001A/B: Onboard 1 GB, LEC-7001C: Onboard 512 MB
USB		1 x Type A USB 2.0 connector (Host/OTG), 1 x Type A USB 2.0 connector (USB Host)
Digital I/O		N/A
Expansion Bus		N/A
OS Support		Android 4.2, Ubuntu from Freescale, basic Linux from Lanner/ Freescale (Subject to change)
Storage	HDD/SSD Support	N/A
	Expansion	1 x SD card socket
Networking	LAN	1 x 10/100/1000Mbps, Autosensing, RJ-45
	Controller	Atheros 8031
Display	Graphics Controller	Built in Vivante GC
	Display Interface	1 x HDMI (1920x1080P)
LED Indicator		1 x Green-color for Power-on status
Physical Characteristics	Housing	SGCC
	Weight	0.5 kg
	Dimensions (WxHxD)	140 x 26 x 110 mm
	Mounting Options	TBD
Environment	Operation Temperature	-20~55°C (Subject to change)
	Storage Temperature	-20~55°C
	Ambient Relative Humidity (non-condensing)	5 to 95% (non-condensing)
Power	Input Voltage	+5 /12 VDC
	Power Consumption	TBD
	Connector	DC jack with lock
	AC Adapter	+12V/3A, +5V/5A
Standard and Regulation	EMC	CE/FCC
	Green product	RoHS
Reliability	Alter tool	Built-in RTC (real-time clock) with battery lithium backup
	Automatic Reboot Trigger	Watchdog Timer 1~255 level time interval system reset, software programmable
	MTBF	TBD

Ordering Information

LEC-7001A	Fanless Industrial PC with freescale™ ARM Cortex-A9 MPCore i.MX 6 Dual processor, 1 GB Memory
LEC-7001B	Fanless Industrial PC with freescale™ ARM Cortex-A9 MPCore i.MX 6 Quad processor, 1 GB Memory
LEC-7001C	Fanless Industrial PC with freescale™ ARM Cortex-A9 MPCore i.MX 6 Solo processor, 512 MB Memory