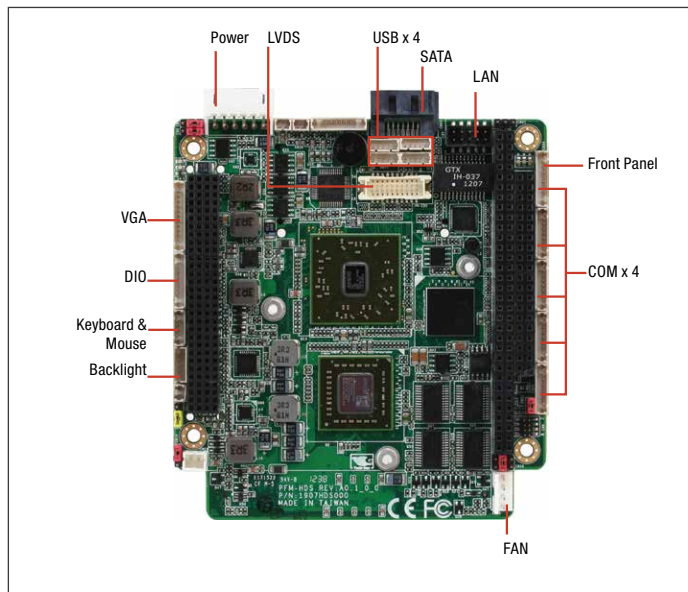


## PC/104+ Module with AMD G-Series T16R Processor



## Features

- Onboard AMD® G-Series T16R Processor
- AMD A55E
- SODIMM DDR3 1066 MHz, Up to 4 GB
- 10/100/1000Base-TX Ethernet x 1
- CRT, 18-bit LVDS
- 2CH HD Audio
- SATA 3.0 Gb/s x 1, CFast™ x 1
- USB2.0 x 4, COM x 4, 8-bit Digital I/O
- PC/104+ Expansion
- +5V or +12V Operation
- AAEON Hi-Safe SDK/Utility Supported

## Specifications

System	
Form Factor	PC/104+ (ONTARIO + ITE8888 ISA solution)
CPU	AMD G-series T16R (secondly for single core 614MHz, 4.5W)
CPU Frequency	Single core 615MHz
Chipset	A55E
Memory Type	SODIMM DDR3 1066
Max. Memory Capacity	4GB
BIOS	AMI 32MB
Wake on LAN	Yes
Watchdog Timer	255 Level
Power Requirement	+5V/ +12V
Power Supply Type	AT/ATX
Power Consumption (Typical)	ONtario 615MHz, DDR3 1066 4GB
Dimension (L x W)	3.55" x 3.77" (90mm x 96mm)
Operating Temperature	-20°F ~ 158°F (-20°C ~ 70°C) -40°F ~ 185°F (-40°C ~ 85°C) (Nice to Have)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	TBD
Certification	CE/FCC Class A
Display	
VGA/LCD Controller	AMD G-Series APU integrated graphic engine - Radeon™ HD6250
Video Output	CRT+LVDS (18 bit)
Backlight Inverter Supply	Max. +12V
I/O	
Ethernet	RTL 8111E, 10/100/1000Base-TX x1
Audio	ALC892, Amp
USB Port	USB 2.0 x 4
Serial Port	RS232 x 3, RS232/422/485 x 1
Parallel Port	—
HDD Interface	SATA2 x 1
FDD Interface	—
SSD	CFast™
Expansion Slot	PC/104 +
PWM LCD Support	—
DIO	8 bit
TPM	—
Touch	—



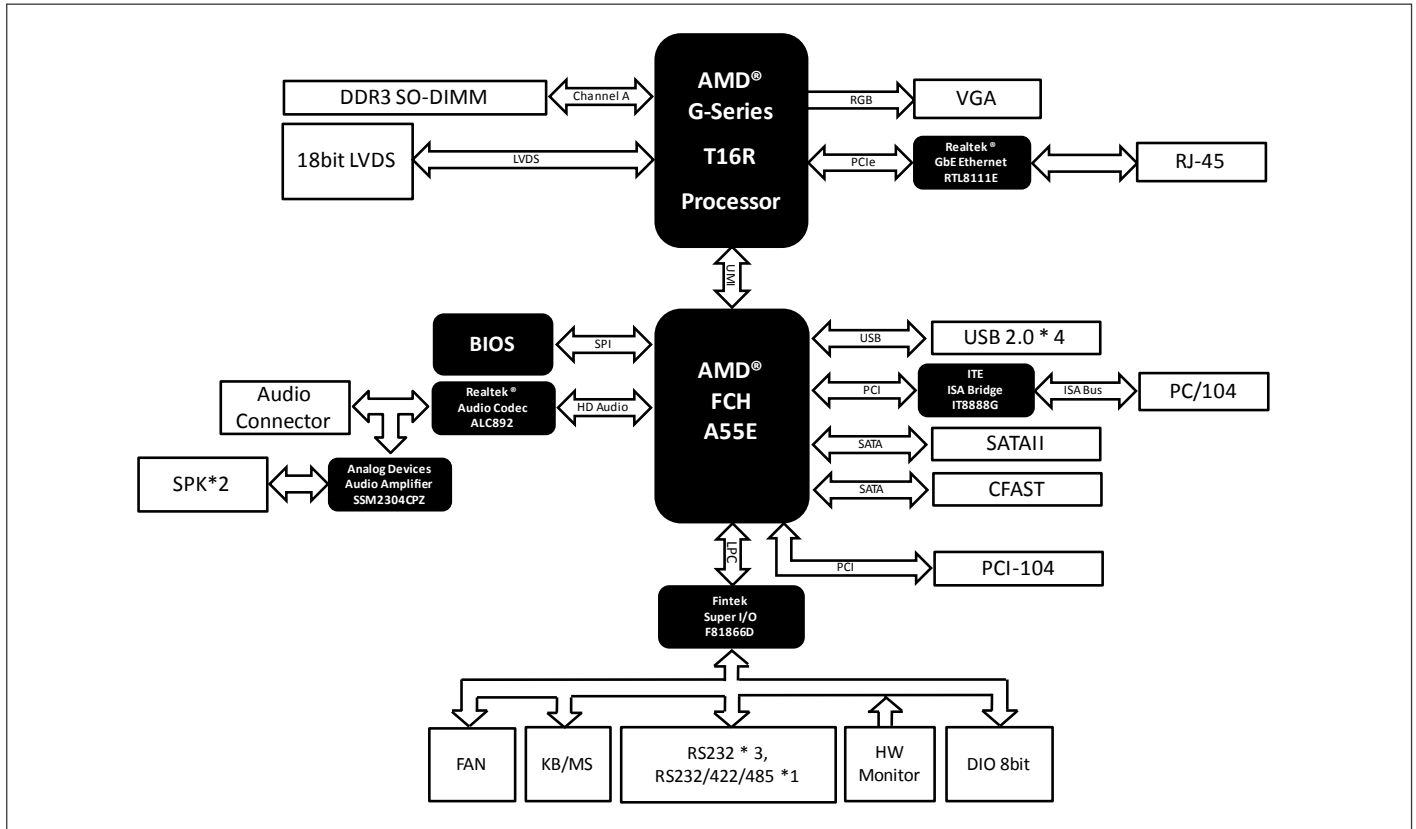
## Packing List

- **1702060105**  
Power Cable for PFM-HDS
- **9657666600**  
Jumper Cap
- **Product DVD**
- **PFM-HDS with Heatsink**

## Optional Accessories

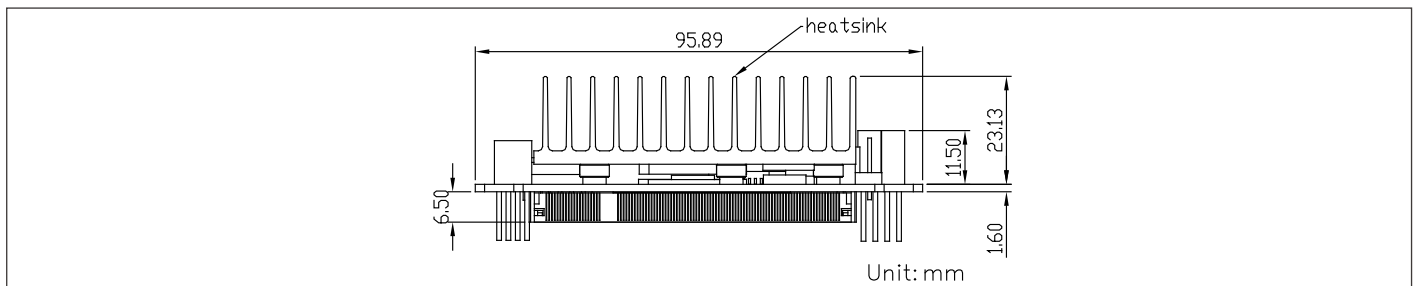
Part Number		Quantity
1709150151	(TF)CRT Cable, 1 x 13P Pitch=1.25mm Housing,15cm	1
1700100201	(TF)LAN Cable, RJ45 10P 2.0mm Housing, 20cm	1
1705050153	(TF)Inverter Cable, 1 x 5P Pitch=1.5mm Housing, 15cm	1
1700050207	(TF)USB Cable, 1 x 5P Pitch=1.25mm Housing, 20cm	4
1701090150	(TF)Flat Cable, D-Sub 9(M), 9P Housing, 9P 1.25mm pitch Housing, 15cm	4
1709070500	(TF)SATA Cable, 7P Pitch 1.27mm, 50cm	1
1702150155	(TF)Power Cable, 15P SATA (F), 2P 2.0mm Housing (PH), 15cm	1
1701100155	(TF)Flat Cable, Front Panel 10P, Pitch=1.25mm Housing, 15cm	1
1709100254	Audio Cable, Length 25cm	1
1700060155	PS/2 Keyboard & Mouse Cable	1

## Block Diagram



## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	RAM	Fan/Fanless	Storage	Display	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp.
PFM-HDS-A10	AMD G-series T-16R	SODIMM	Fanless	SATA x 1	CRT + LVDS	18b, 1CH	GbE x 1	4	3	1	PC/104+	+5V, AT/ATX	0°C ~ 60°C