

cincoze

P1100 Series

Convertible Embedded System

Slim Embedded Computer with CDS Technology



P1100 Series Introduction

Key Features



- **Slim & Power Efficient**
- **Multiple Functions**
- **Innovative Design**

Slim Design

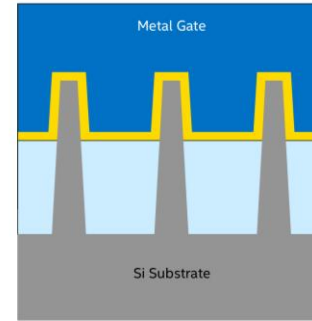


Perfect for space saving installation

Apollo Lake Platform

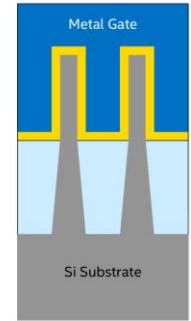


14nm Process Technology



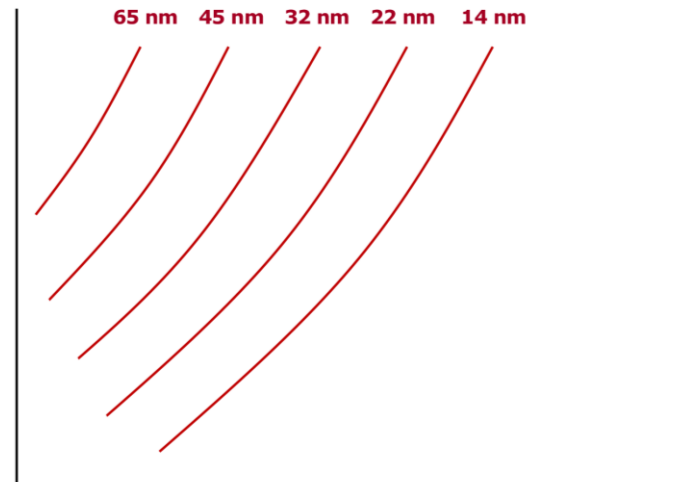
22 nm 1st Generation Tri-gate Transistor

Bay Trail



14 nm 2nd Generation Tri-gate Transistor

Apollo Lake



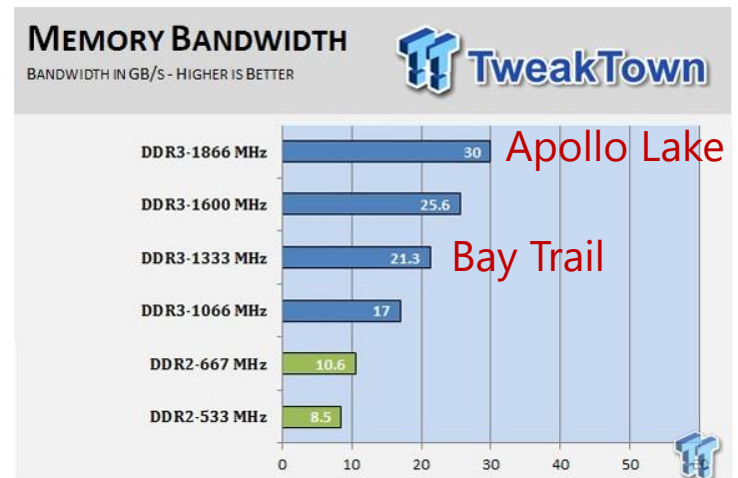
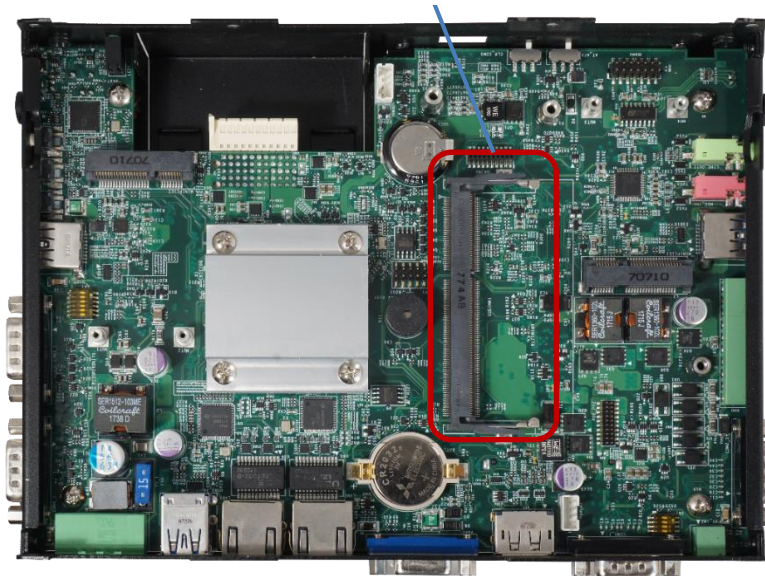
Higher Transistor Performance (switching speed)

Offering up to 1.7X (vs. Bay Trail) compute performance improvement

DDR3L Memory

1x DDR3 204-Pin SO-DIMM Socket

- Up to 1866 MHz, max. 8GB



Faster transfer rate than before

Graphic & Media Engine

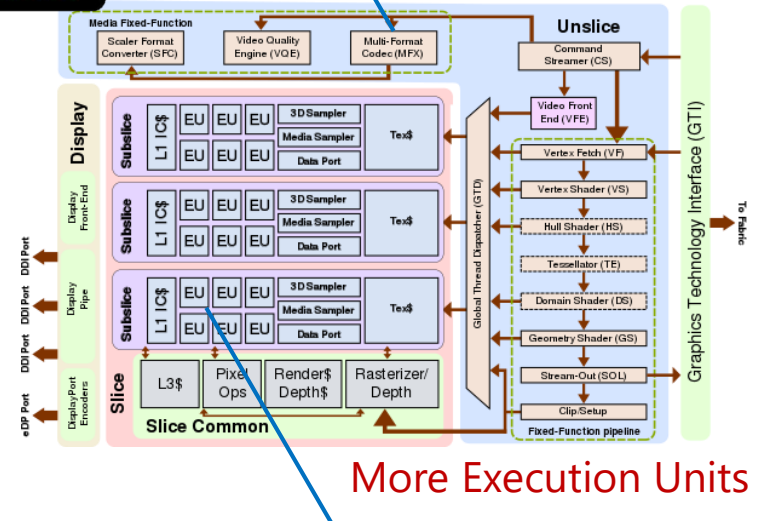


Gen. 9 Graphics Architecture



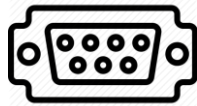
Hardware Decoder

H.265 HEVC VP9



Offering up to 2.9X (vs. Bay Trail) 3D graphic performance improvement.

Triple Independent Display



Delivering triple display capabilities for a wide range of applications

Key Features



- **Slim & Power Efficient**
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Rich I/O



1x VGA, 1x DP

2x LAN

4x USB3.0

4x RS-232/422/485

1x Speaker-out, 1x Mic-in

1x Remote Power On/Off

8x Isolated DIO

2x Internal Speaker

Abundant sets of I/O offer extensive functionalities and connectivity

Maintenance Area



1x SIM Socket

AT/ATX Mode Switch

Clear CMOS Switch

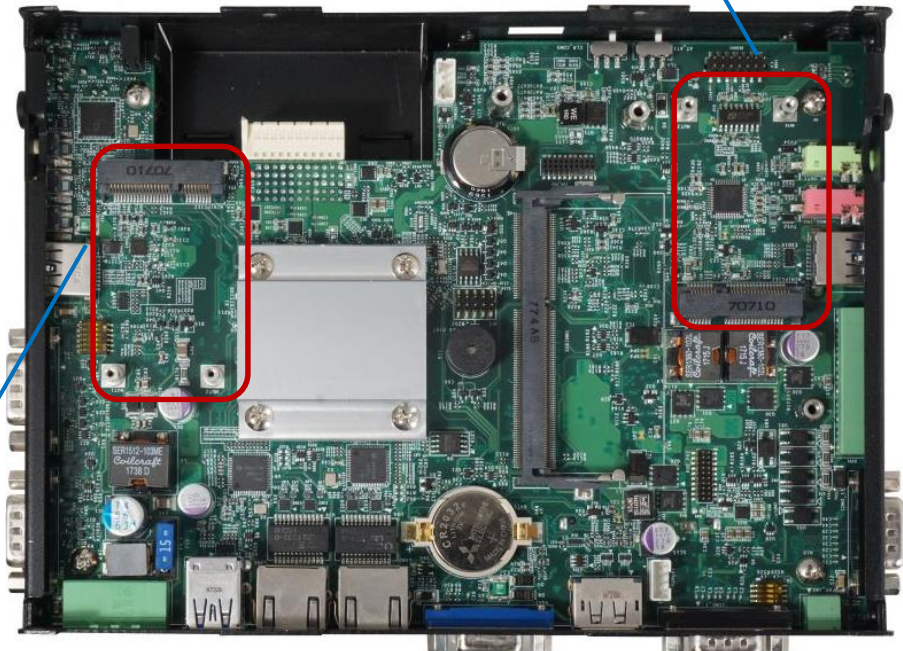
IGN Function Switch (Optional)

1x 2.5" SATA Drive Bay (SATA3.0)

Reducing maintenance cost and downtime

Mini-PCle Expansion

Full-size Mini PCIe Socket Interconnected with SIM socket



Full-size Mini PCIe Socket / mSATA (3.0)



Enabling wireless communication for in-vehicle application or remote installation

Versatile Mounting Methods



DIN Rail



Wall Mount



CDS Mount



VESA Mount

Deployment in every location

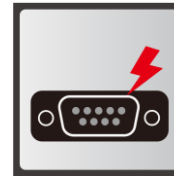
Other Functions



Super Capacitor Integrated



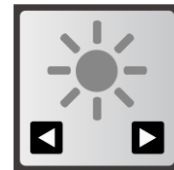
Instant Reboot Technology



Power Over Serial



Internal Speaker



OSD Function

Key Features

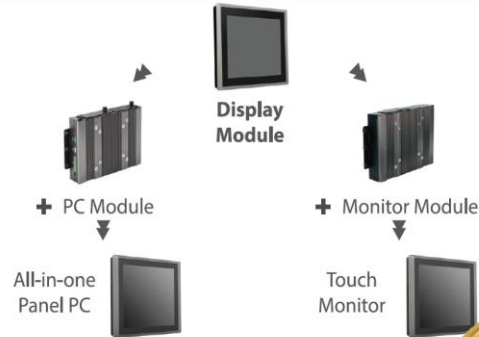


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- **Innovative Design**

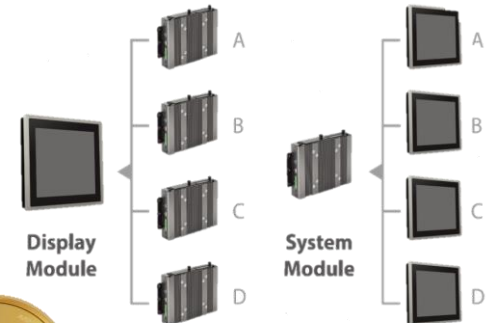
CDS Technology



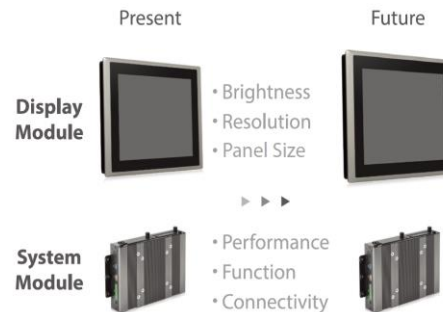
Transformability



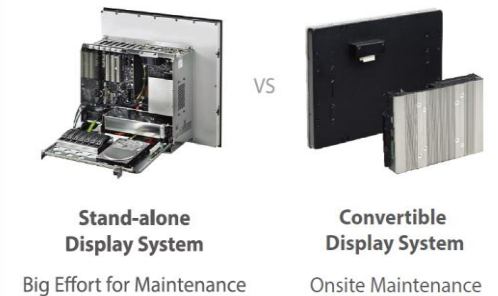
Configure On Demand



Scalability



Plug & Play



An revolutionary display computing solution for industrial application

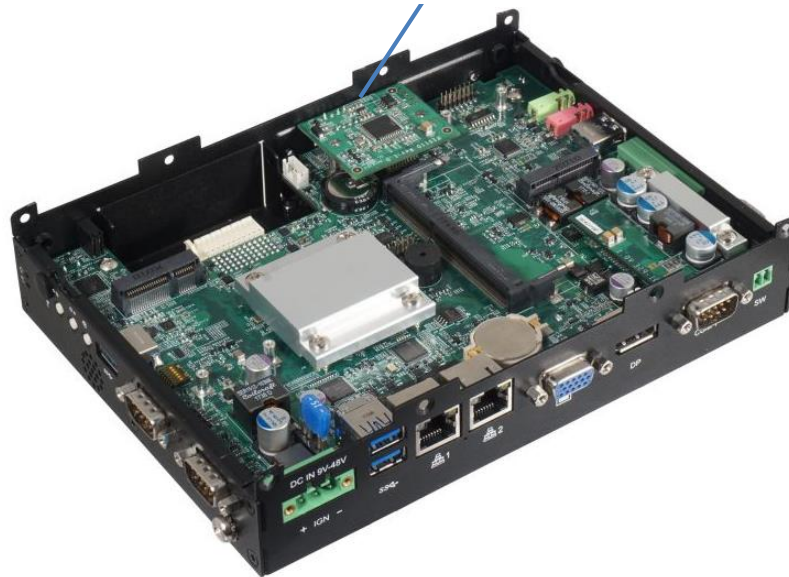
CFM Technology – Ignition Control

CFM
TECHNOLOGY



CFM IGN Module

- Power ignition sensing control function module
- Power on/off Delay Time Setting by Dip Switch
- 12V/24V Voltage Detection Selectable



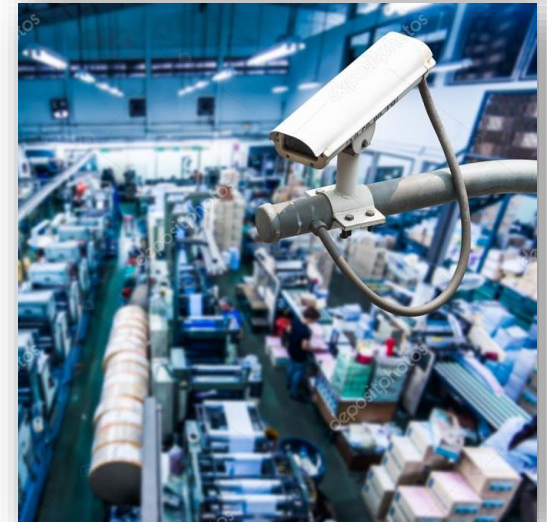
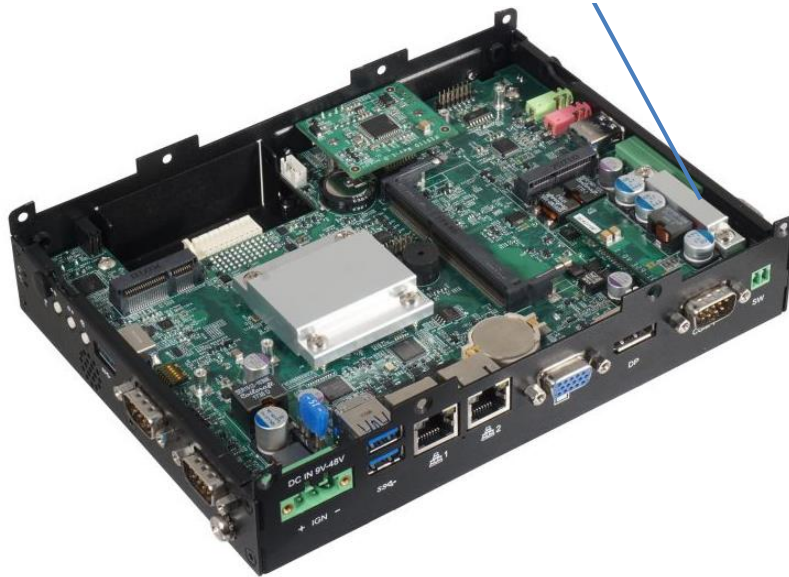
Expanding the reach of information technology in in-vehicle application

CFM Technology – Power Over Ethernet

CFM
TECHNOLOGY

CFM PoE Module

- PoE control function module
- IEEE 802.3at compliant
- Power Boost 50-57V



Simplify cabling for GigE/PoE camera installation in the field of industrial image processing or surveillance

Rugged & Reliable Design



Fan-less Design



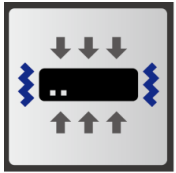
Reverse Power Input Protection



Jumper-less Design



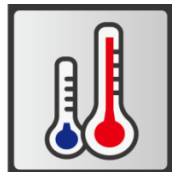
Over Voltage Protection



High Shock & Vibration Tolerance



Over Current Protection



Wide Operating Temperature



ESD Protection



Wide Range DC Power Input



Surge Protection

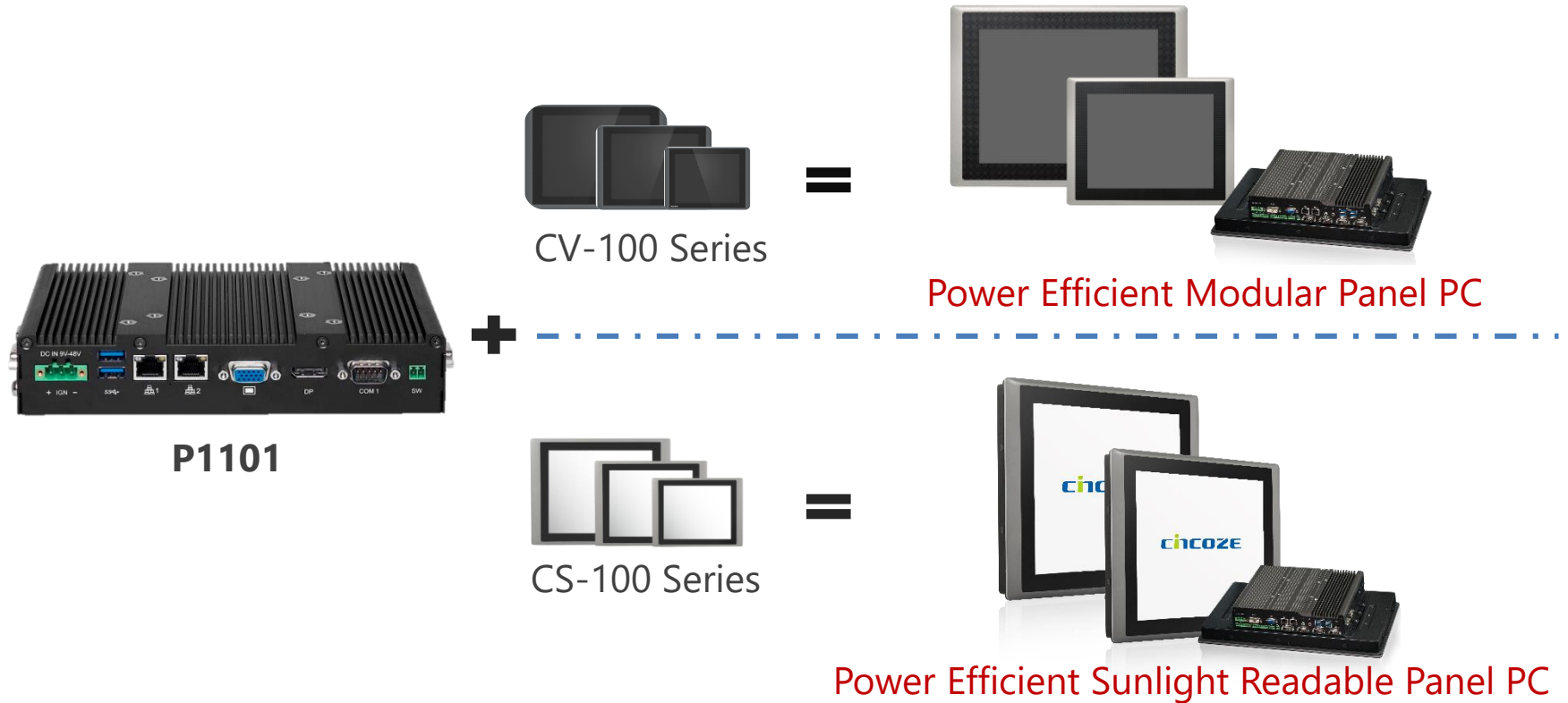
P1100 Series Selection Guide

Product Selection



No.	P1100 Series	Processor	Core Count	Clock Speed
1	P1101-E50	Atom™ E3950	4	Up to 2.0 GHz
2	P1101-N42	Pentium™ N4200	4	Up to 2.5 GHz

Panel PC Configuration



No.	P1100 Series	CV-100 Series		CS-100 Series	
		Resistive	P-CAP	P-CAP	P-CAP with Optical Bonding
1	P1101-E50	10	9	5	5
2	P1101-N42	10	9	5	5

Panel PC Available Models



Product Type	Panel Size	Resistive Touch Model	P-CAP Touch Model
Modular Panel PC	8.4"	CV-108R/P1101-E50	--
		CV-108R/P1101-N42	--
	10.4"	CV-110R/P1101-E50	CV-110C/P1101-E50
		CV-110R/P1101-N42	CV-110C/P1101-N42
		CV-110HR/P1101-E50	CV-110HC/P1101-E50
		CV-110HR/P1101-N42	CV-110HC/P1101-N42
	12.1"	CV-112R/P1101-E50	CV-112C/P1101-E50
		CV-112R/P1101-N42	CV-112C/P1101-N42
		CV-112HR/P1101-E50	CV-112HC/P1101-E50
		CV-112HR/P1101-N42	CV-112HC/P1101-N42
	15"	CV-115R/P1101-E50	CV-115C/P1101-E50
		CV-115R/P1101-N42	CV-115C/P1101-N42
	15.6"	CV-W115R/P1101-E50	CV-W115C/P1101-E50
		CV-W115R/P1101-N42	CV-W115C/P1101-N42
	17"	CV-117R/P1101-E50	CV-117C/P1101-E50
		CV-117R/P1101-N42	CV-117C/P1101-N42
	19"	CV-119R/P1101-E50	CV-119C/P1101-E50
		CV-119R/P1101-N42	CV-119C/P1101-N42
21.5"	CV-W121R/P1101-E50	CV-W121C/P1101-E50	
	CV-W121R/P1101-N42	CV-W121C/P1101-N42	

Product Type	Panel Size	Model	Model with Optical Bonding
Sunlight Readable Panel PC	10.4"	CS-110HC/P1101-E50	CS-110HC-OB/P1101-E50
		CS-110HC/P1101-N42	CS-110HC-OB/P1101-N42
	12.1"	CS-112HC/P1101-E50	CS-112HC-OB/P1101-E50
		CS-112HC/P1101-N42	CS-112HC-OB/P1101-N42
	15"	CS-115C/P1101-E50	CS-115C-OB/P1101-E50
		CS-115C/P1101-N42	CS-115C-OB/P1101-N42
	17"	CS-117C/P1101-E50	CS-117C-OB/P1101-E50
		CS-117C/P1101-N42	CS-117C-OB/P1101-N42
	19"	CS-119C/P1101-E50	CS-119C-OB/P1101-E50
		CS-119C/P1101-N42	CS-119C-OB/P1101-N42

Over 50 Models

Slim & Versatile



P1100 Slim Embedded Computer

Drive Multiple Applications

THANK YOU