POLYHEX

POLYTAB: 15.6" Modular Industrial Panel Based on Intel Core i5 8265U/Core i3 8145U/Celeron 4205U CPU

Main Features:

• Intel Core 8th Gen. ultra-low voltage platform Whiskey Lake-U, Core i5-8265U/Core i3-8145U/Celeron 4205U CPU optional
• 15.6 inches 10-point capacitive touch panel (10.1/11.6 inches panel optional)
• 6 x COM, 2 x 1000M Network, 1 x HDMI OUT, 1 x DP OUT
• 4 x USB 3.0, 2 x USB 2.0, 1 x SATA 3.0, 2 x M.2

Description:

Industrial panels play an important role in the intelligent systems transformation of "Industry 4.0" in the era of intelligent manufacturing. In order to comply with market development trends and future expansion needs, Polyhex Technology launches this modular industrial panel "POLYTAB".

It consists of a front display screen and a back-end industrial computer. The back-end computer module supports connection with several sizes of screen through standard interfaces. Through flexible matching, a variety of host specifications can be selected, and it can be quickly upgraded and easily maintained without changing the original design, so that customers will be unimpeded in the future upgrade selection, test, production and maintenance process.

It can be widely used in industrial control and automation, intelligent power control, numerical control equipment manufacturing, environmental monitoring, pharmaceutical equipment, food packaging machinery, machine vision inspection, wind power monitoring and other industrial fields.

Specification:

System	
CPU	Intel Core i5-8265U/Core i3-8145U/Celeron 4205U
Memory	2 x DDR4 SO-DIMMs slot, max. capacity up to 32GB
Storage	1 x SATA 3.0 1 x M.2 2280, support SATA signal (or PCIe signal) SSD
Operating System	Windows 7/10, Linux
Video and Audio	
Display	15.6" 1024 x 768 10-point capacitive touch panel (10.1 and 11.6 inches optional)
Audio	Integrated 6 sound channels, ALC662 chip
Front I/O	
Power Switch	1 x Power Switch
Audio	1 x JACK, support Line_Out and MIC_In Combo
Network	2 x 1000M, support WIFI and Bluetooth
USB 3.0	4 x USB 3.0
Display	1 x HDMI OUT, 1 x DP OUT
Power Supply	1 x Phoenix
Serial Ports	2 x RS485/RS422/RS232 (BIOS setting)
Rear I/O	
USB 2.0	2 x USB 2.0
Serial Ports	4 x RS-232
Antanna Hole	1
Other Interfaces	
COM	6 x COM, COM1 and COM2 support RS485/RS422/RS232 signal through BIOS selection
GPIO	Scalable
Power Supply & Functions	
Power Adapter	12～19V 3A DC_IN
Auto Power On	Support
Wake On LAN	Support
Mechanical and Environmental	
Material	Aluminum alloy (Blue and Black color for options)
Dimension	261 x 136 x 39mm
Weight	3.1kg
Cooling	Cooling fin, fanless
Mounting	VESA mounting
Operating Temp.	0℃~50℃
Storage Temp.	-20℃~85℃

Model Configuration:

CPU	Screen size	Memory	HDMI	DP	LAN	Audio	RS232	RS485	USB 2.0	USB 3.0	M2	Power	Cooling
Celeron 4205U	15.6	2 x DDR4 SO-DIMMs	1	1	2	yes	4	2	2	4	2	DC IN	passive
i3-8145U													
i5-8265U													

Industrial Panel Photos:

Back-end Computer Photos:

Other Panel Sizes For Options:

10.1 Inches

11.6 Inches

ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 9-year experience, always delivers best-in-class embedded computing solutions based on both ARM and X86 architecture, including hardware customization and software debugging etc. Partnered with silicon vendors like Intel, NXP, ST, Rockchip, Allwinner and so on, we have earned trust from clients worldwide in over 30 countries. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.

POLYHEX
Beyond the Embedded Deployment