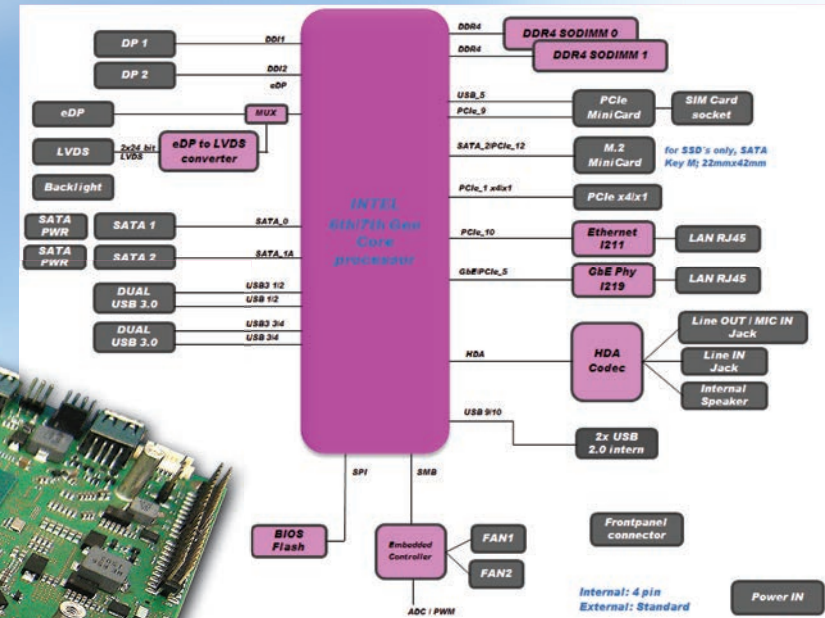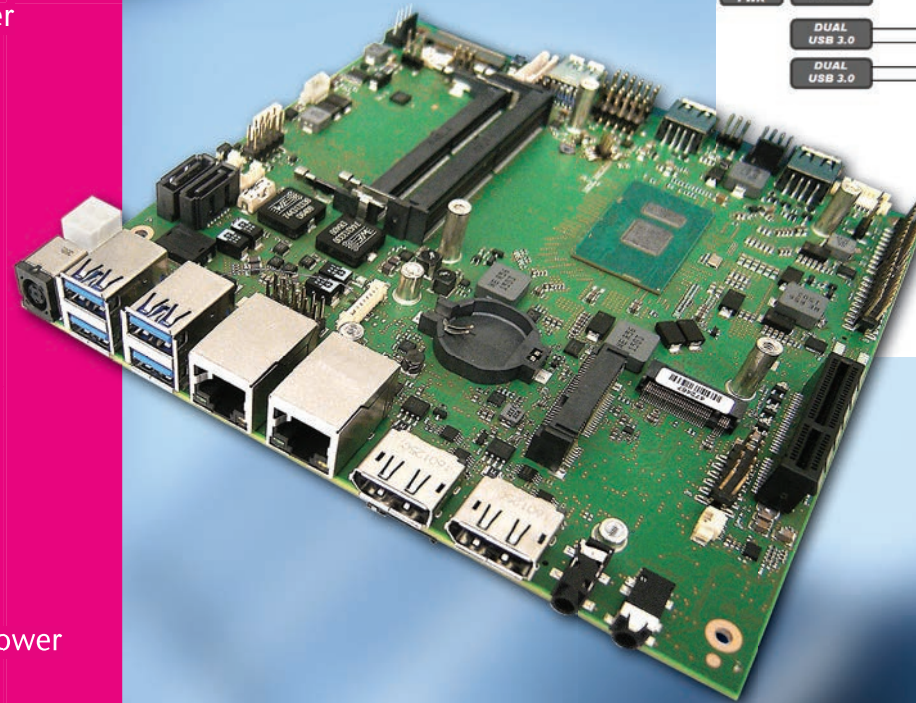# PROFIVE® MIT6X

APPLICATIONS

The **PROFIVE® MIT6X** single board computer is optimal adapted for:

_ Rugged Industrial Systems

   no rotating parts, low power

_ Medical Solutions

   Intel® Core™ performance,

   high-resolution graphics

_ Automatic Control

   scalable, long term availability, flexible expansion

_ Measurement

   Multiple graphics

_ Public Terminal

   Digital Signage, Multiple

   Displays support

_ Mobile Solutions

   optimized for automotive power

   input, small form factor
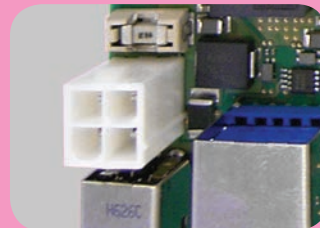
Made in Germany

E.E.P.D.

...just embedded!

SPECIFICATIONS

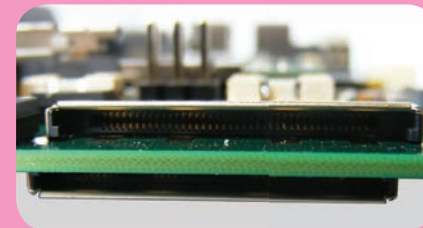|	
CPU	Intel® 6th Generation Core™ processors
BIOS	UEFI-BIOS
Max. memory	Up to 32 GB DDR4 dual-channel memory support up to 2133 MT/s
Gigabit Ethernet	Up to 2 (Intel® integrated GbE/ I211)
PCI Express®	x4 slot
PCI Express® Mini Card	1 fullsize socket with SIM Card socket
M.2 socket	Yes (Key M, 22 mm x 42 mm)
Serial ATA	Up to 3 (6G)
USB ports	Up to 9 USB 2.0, up to 5 USB 3.0
SM bus	Yes
LVDS connector	Yes, dual channel 18/24-bit (up to 1920 x 1200 @ 60 Hz)
Display Port connector	2 (up to 4096 x 2304 @ 60 Hz)
eDP connector	Yes (up to 4096 x 2304 @ 60 Hz)
Sound	Multi-channel HDA, one Line IN, one MIC IN, one Line-Out and speaker connector
Health monitoring and management	Controllable fan, hardware monitoring and watchdog
Power supply	Min. 8 V / Max. 32 V, EMI filtering on board, automotive grade, dual power connector
Max. operating temperature	0°C to +60°C ambient
Max. storage temperature	-20°C to +85°C
Max. rel. humidity	95% @ 40°C, non-condensing
Size approx.	170 mm x 170 mm
OS support	Microsoft® Windows® 7; Microsoft® Windows® 7 embedded standard; Microsoft® Windows® 10; Microsoft® Windows® 10 IoT Core; Linux (Ubuntu 16.04 LTS, Yocto Kernel 4.4)

Ordering Code CPU	Description	Type
MIT6A	Mini ITX Board	Celeron 3955U / 2.0 GHz / 2 MB cache / PCIe x1
MIT6B	Mini ITX Board	Celeron 3955U / 2.0 GHz / 2 MB cache / PCIe x4 /*
MIT6C	Mini ITX Board	i3-6100U / 2.3 GHz / 3 MB cache / PCIe x1
MIT6D	Mini ITX Board	i3-6100U / 2.3 GHz / 3 MB cache / PCIe x4 /*
MIT6E	Mini ITX Board	i5-6300U / 2.4 GHz / 3 MB cache / PCIe x1
MIT6F	Mini ITX Board	i5-6300U / 2.4 GHz / 3 MB cache / PCIe x4 /*
MIT6G	Mini ITX Board	i7-6600U / 2.6 GHz / 4 MB cache / PCIe x1
MIT6H	Mini ITX Board	i7-6600U / 2.6 GHz / 4 MB cache / PCIe x4 /*

* without rear USB/LVDS/eDP

Ordering Code Memory	Description	Size
4GB-MIITX	Main memory	4 GB
8GB-MIITX	Main memory	8 GB
16GB-MIITX	Main memory	16 GB

Wide range DC-Input 8 - 32 V

eDP and LVDS

Dual Display Port

TÜV SÜD approved quality management system