



UEX2000

USB 2.0 Solution for:

USB point-to-point Extension

USB over IP

USB Monitoring & Control

UEX2000 enables full bandwidth USB 2.0 point-to-point extension, suitable for long reach applications, supporting up to 100m using standard copper Category cabling.

UEX2000 enables and simplifies USB over IP. Unlike alternatives, polling is not required, IP friendly discovery approaches are relied on instead.

UEX's advanced monitoring and control capabilities make it the ideal solution for a wide variety of applications. From ensuring high-security installations meet strict device class filtering requirements, to providing notifications to avoid USB maximum tier violations in Pro AV applications, UEX offers unmatched performance.

KEY FEATURES

- USB monitoring and control
- USB distribution over IP networks
- USB point-to-point extension up to 100m reach using Cat-5e cabling
- Configurable USB role
- No software drivers required
- Supports all USB classes
- Plug and play performance

APPLICATIONS

- Industrial control systems
- Manufacturing automation
- AV conferencing & BYOM
- Integrated medical operating rooms

USB INTERFACE

- Supports USB 2.0/1.1 interface speeds
- ULPI to standard USB 2.0 PHY

NETWORK INTERFACE

- Supports standard Ethernet connectivity:
 - IEEE 802.3ab 1G Ethernet
- RGMII to standard external Ethernet PHY

TRANSPORT PERFORMANCE

- Up to 100m using Cat-5e cable at 1G Ethernet

PERIPHERAL INTERFACES

- UART
- I²C for host configuration and control
- SPI Flash interface
- JTAG

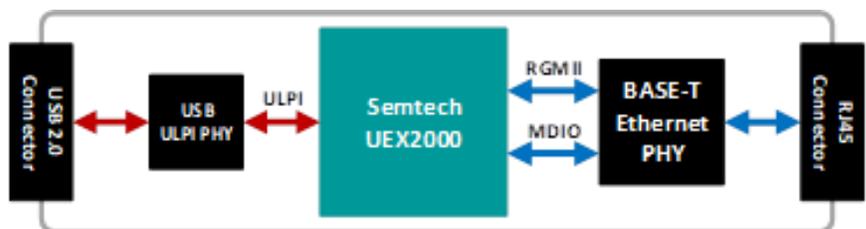
GENERAL

Ordering Part Number	Package
UEX2000-CQE3	TQFP-144 (20mm x 20mm)
UEX2000-CBE3	256-VFPBGA (14mm x 14mm)

- RoHS compliant and halogen free

POWER

- 0.45W
 - 25% margin added to measurement to address potential FPGA/FW changes





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