

Ocracoke Island SBC Based on the Intel® EP80579 Integrated Processor with Intel® QuickAssist Technology

ADI Engineering's innovative new Ocracoke Island SBC product line is the industry's most flexible and lowest cost family of Single Board Computers (SBCs) for the new Intel® EP80579 Integrated Processor with Intel Quick Assist acceleration. ADI's Ocracoke Island SBC family consists of four models targeting a wide range of applications of Intel EP80579 processor including network security, VoIP, wireless (WiMA, Wi-Fi, 3G/4G), storage and industrial.

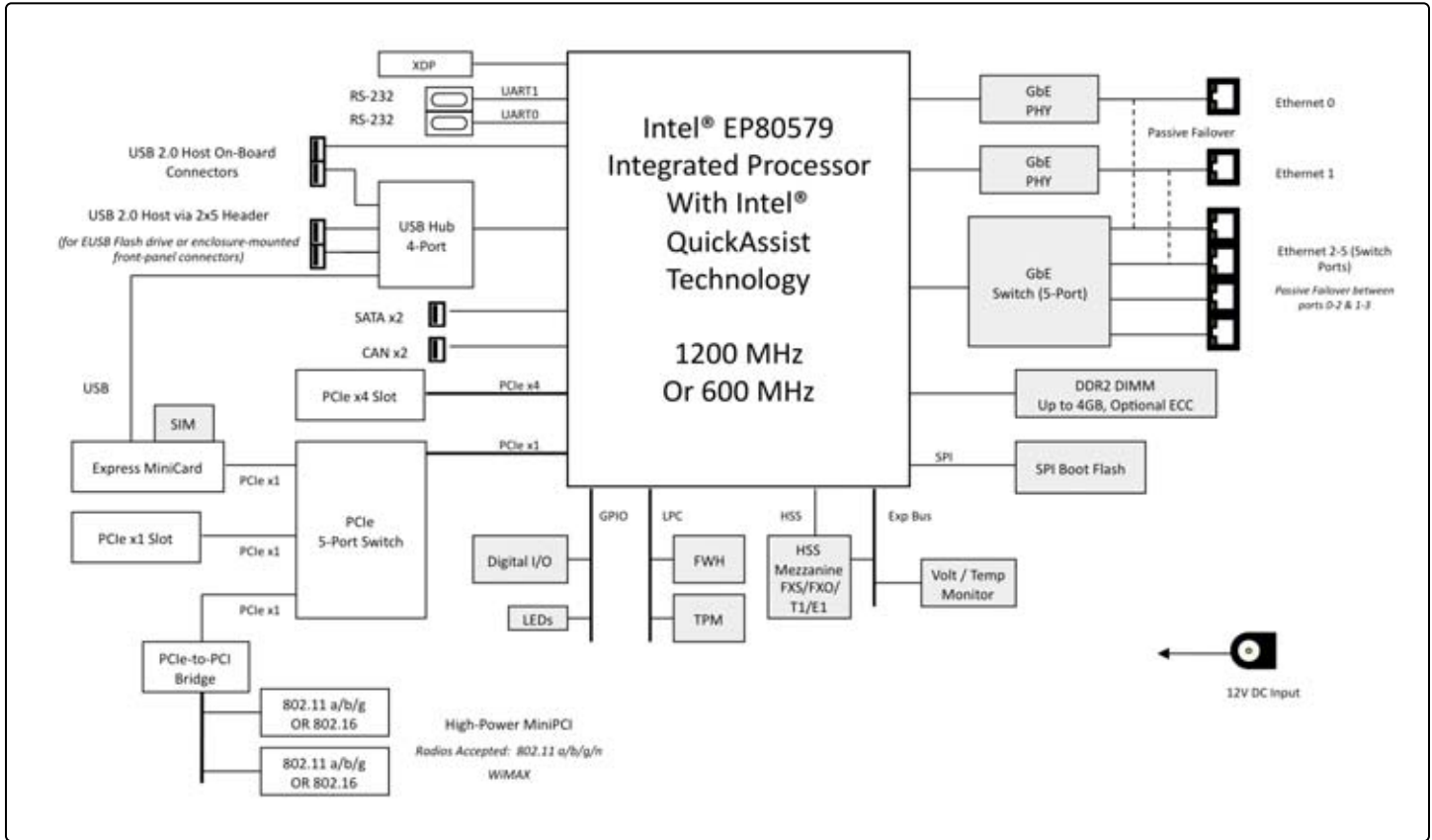
Ocracoke Island SBC is the first EP80579 board available in a -40C to +85C temperature range, serving the needs of harsh applications such as wind turbines, ruggedized vehicle computers, train controllers, military and aerospace, outdoor communications and networking devices, and substation controllers and routers. Ocracoke Island SBC is available in three fanless standard models.

ADI supports Ocracoke Island with our unique **Open IP** model of IP licensing and customer-directed manufacturing. When customization is needed, ADI provides distinctively strong engineering and trusted manufacturing from our world-class factories in the US, Mexico and China.



	Ocracoke Island SBC A1200	Ocracoke Island SBC A600	Ocracoke Island SBC A600V	Extended Temperature Ocracoke Island SBC A1066XV
Form Factor	Mini-ITX 170x170mm	Same	Same	Same
EP80579 CPU	1200 MHz Acceleration Services	600 MHz Acceleration Services	600 MHz Acceleration Services	1066MHz Acceleration Services, Extended Temperature
Fanless	No	Yes	Yes	Yes
DDR2	240-pin DIMM Up to 4GB, Optional ECC, Up to 800 MHz	Same	Same	Same
Independent Ethernet	2 GbE RJ45	Same	Same	Same
4-port Gb Ethernet Switch	Yes	Yes	No	No
Ethernet Passive Failover	Yes	Yes	No	No
RS-232	One DB-9, one header	One DB-9, one header	One DB-9	One DB-9
PCI Express	x4 slot, x1 slot	x4 slot, x1 slot	None	None
PCI Express MiniCard	One slot (with SIM socket)	Same	Same	Same
MiniPCI	Two slots	Two slots	None	None
Trusted Platform Module	Yes	Yes	No	No
SATA 2.0	Two	Two	One	One
USB 2.0 Host	Two ports, Type A Connector Two ports via header	Same	Same	Same
CAN	Two	Two	None	One
RTC + Battery	Yes, 20mm coin cell	Same	Same	Same
Trusted Platform Module	1			1
Discrete I/O	8 bits	8 bits	2 bits	2 bits
Power Input	12V , single supply	Same	Same	Same
Debug	XDP	XDP	None	None
HSS Mezzanine Connector (T1/E1 and FXS/FXO expansion)	Yes	Yes	No	No
Temperature Rating	0 to 70C	0 to 70C	0 to 70C	-40 to +85C

Ocracoke Island SBC Block Diagram



Ocracoke Island Development Kits

ADI offers two different development kits for Ocracoke Island SBC so that customers can readily evaluate the platform and develop code:

OI-DK-1200: Ocracoke Island SBC A1200, 1GB 800 MHz DDR2, ATX power supply, PCI Express video card, 80 GB SATA hard drive, Cables, Documentation and driver CD, and Technical support, with subscription to ADI Support Extranet

OI-DK-600: Same as OI-DK-1200, except with 600 MHz Ocracoke Island SBC A600

Available Through



ADI Engineering, Inc.
1758 Worth Park
Charlottesville, VA 22911

www.adiengineering.com
sales@adiengineering.com
Phone: +1-434-978-2888
Fax: +1-434-978-1803

