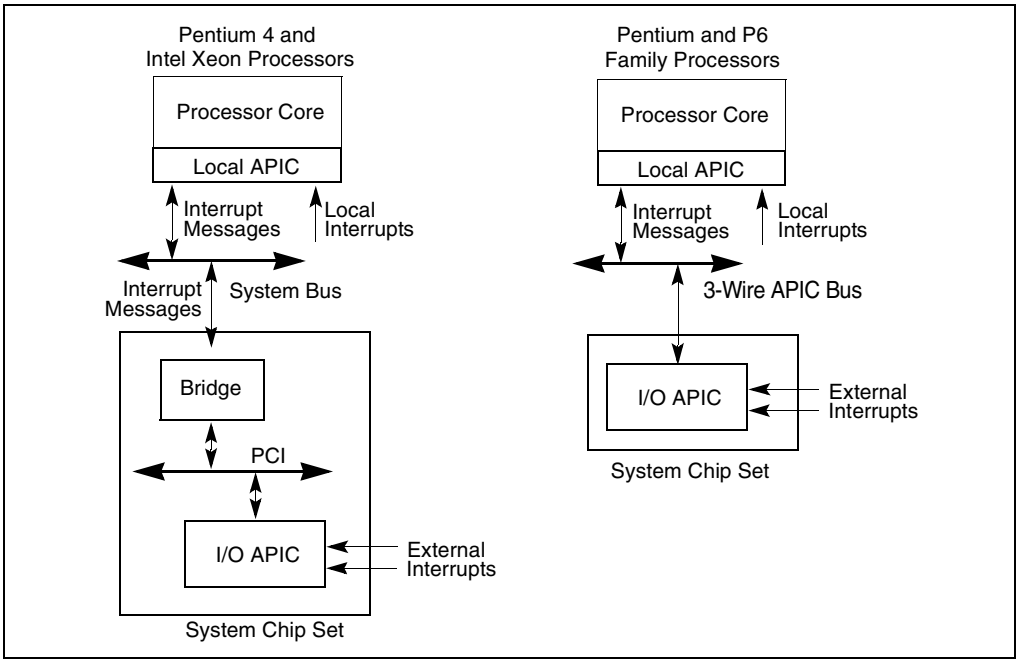


Figure 8-1. Relationship of Local APIC and I/O APIC In Single-Processor Systems

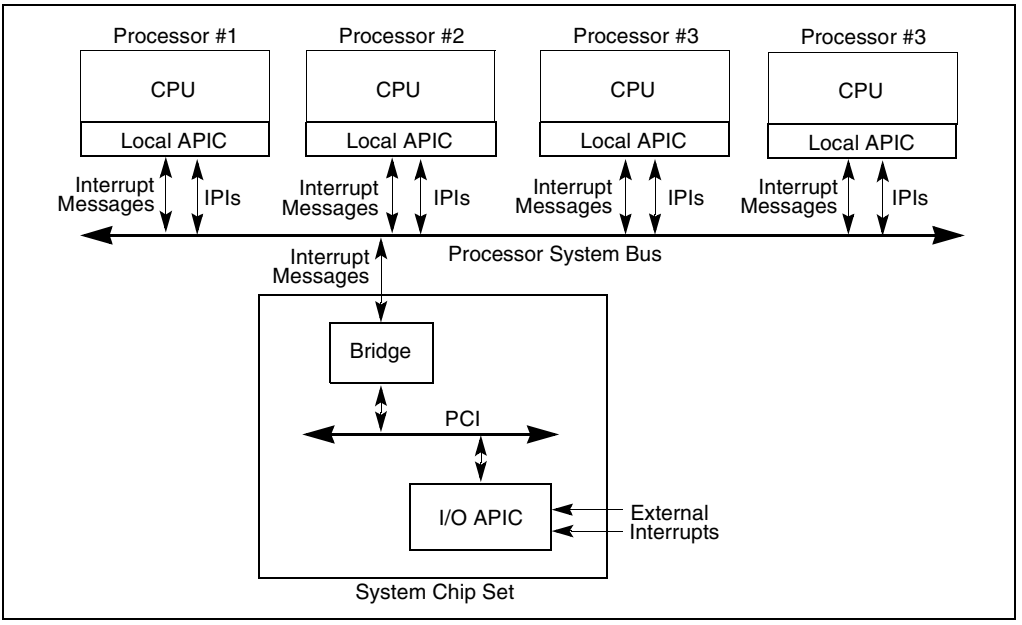


Figure 8-2. Local APICs and I/O APIC When Intel Xeon Processors Are Used in Multiple-Processor Systems

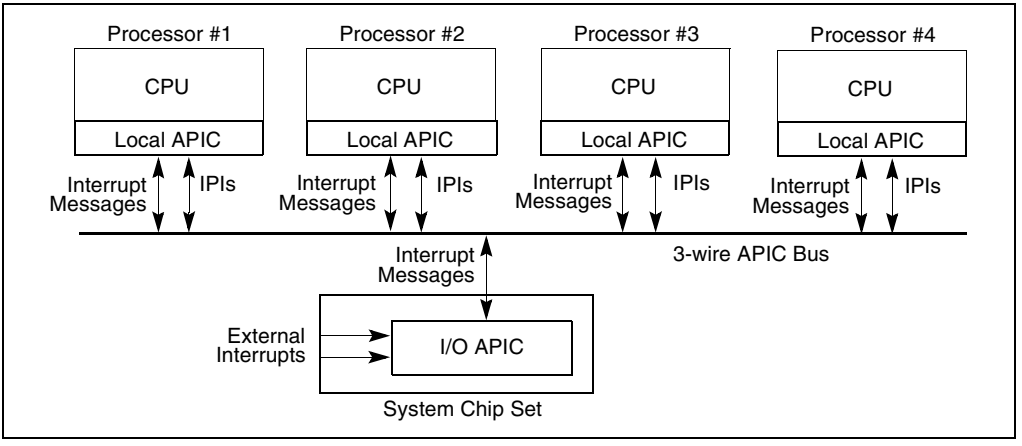
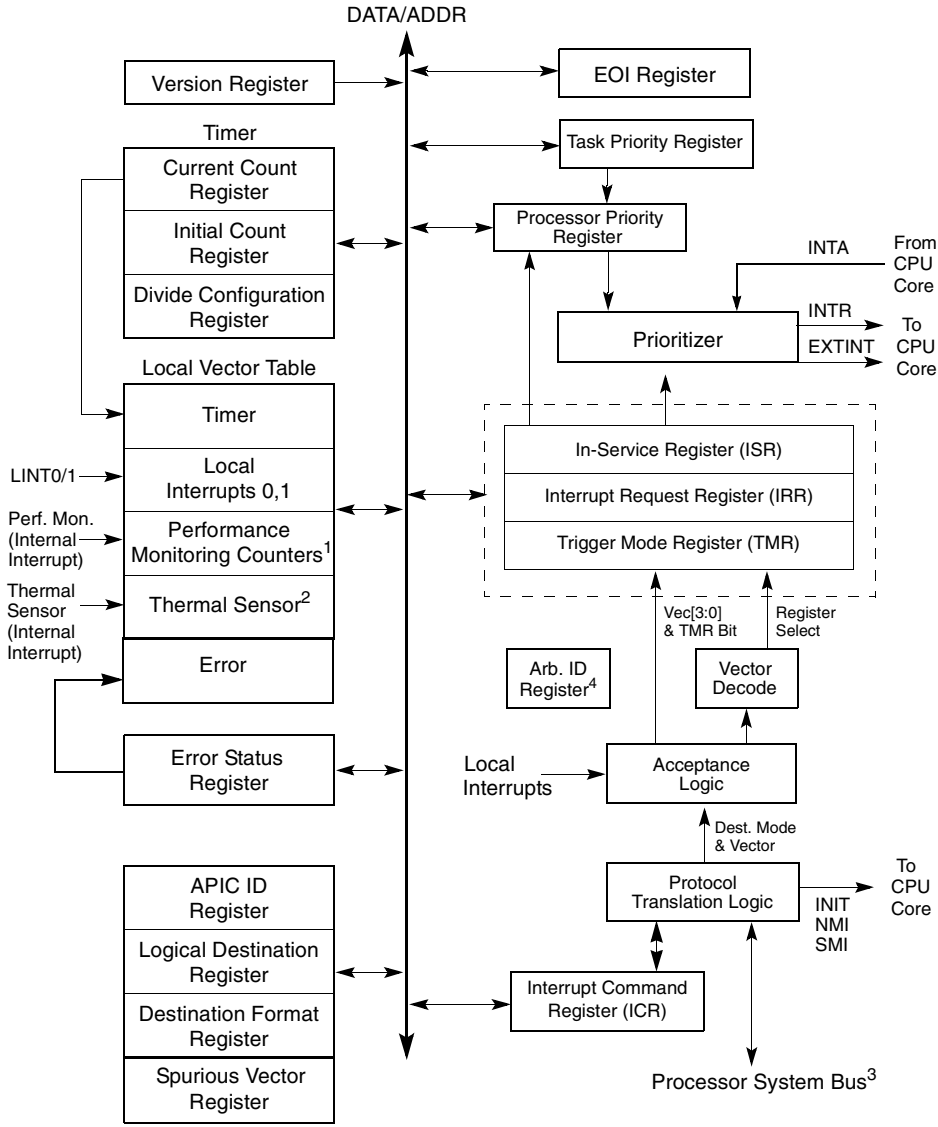


Figure 8-3. Local APICs and I/O APIC When P6 Family Processors Are Used in Multiple-Processor Systems



1. Introduced in P6 family processors.
2. Introduced in the Pentium 4 and Intel Xeon processors.
3. Three-wire APIC bus in P6 family and Pentium processors.
4. Not implemented in Pentium 4 and Intel Xeon processors.

Figure 8-4. Local APIC Structure

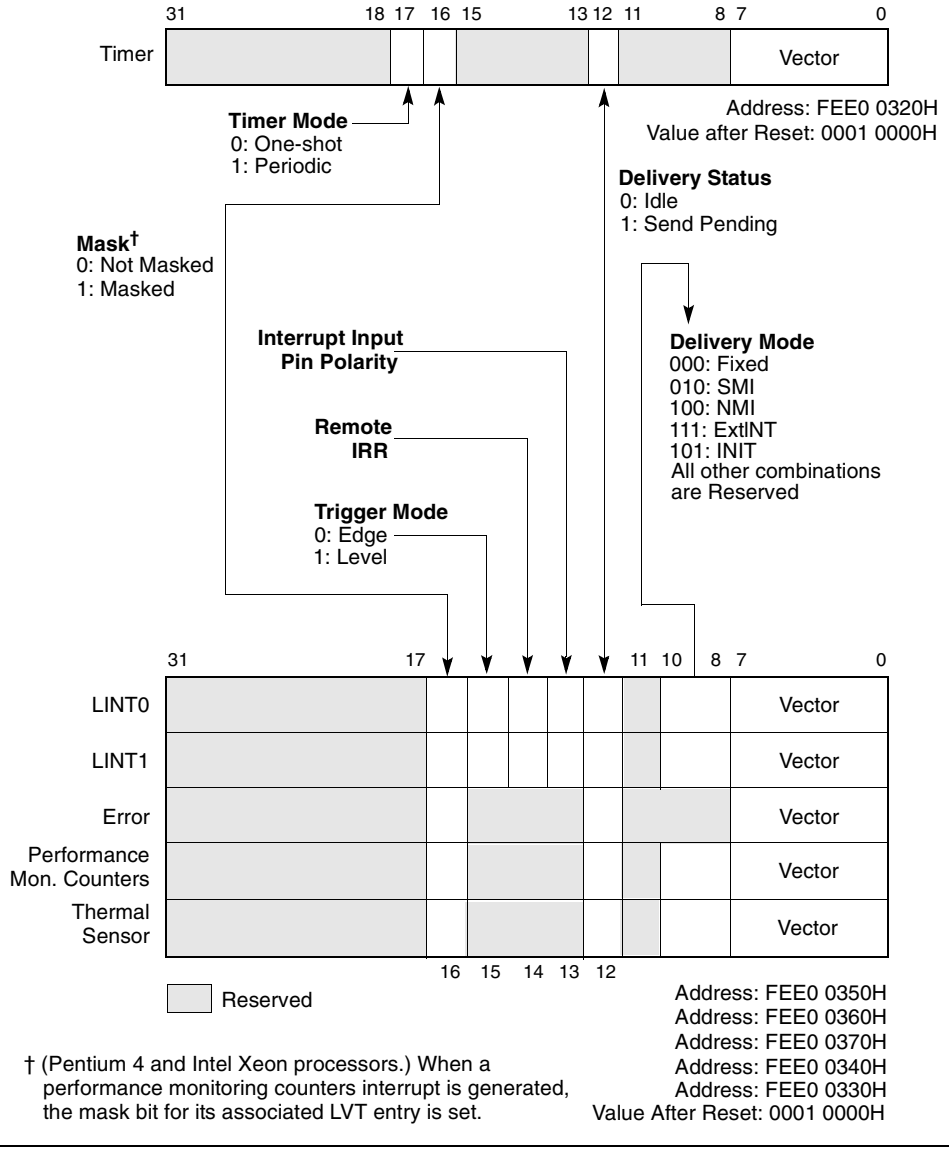


Figure 8-8. Local Vector Table (LVT)

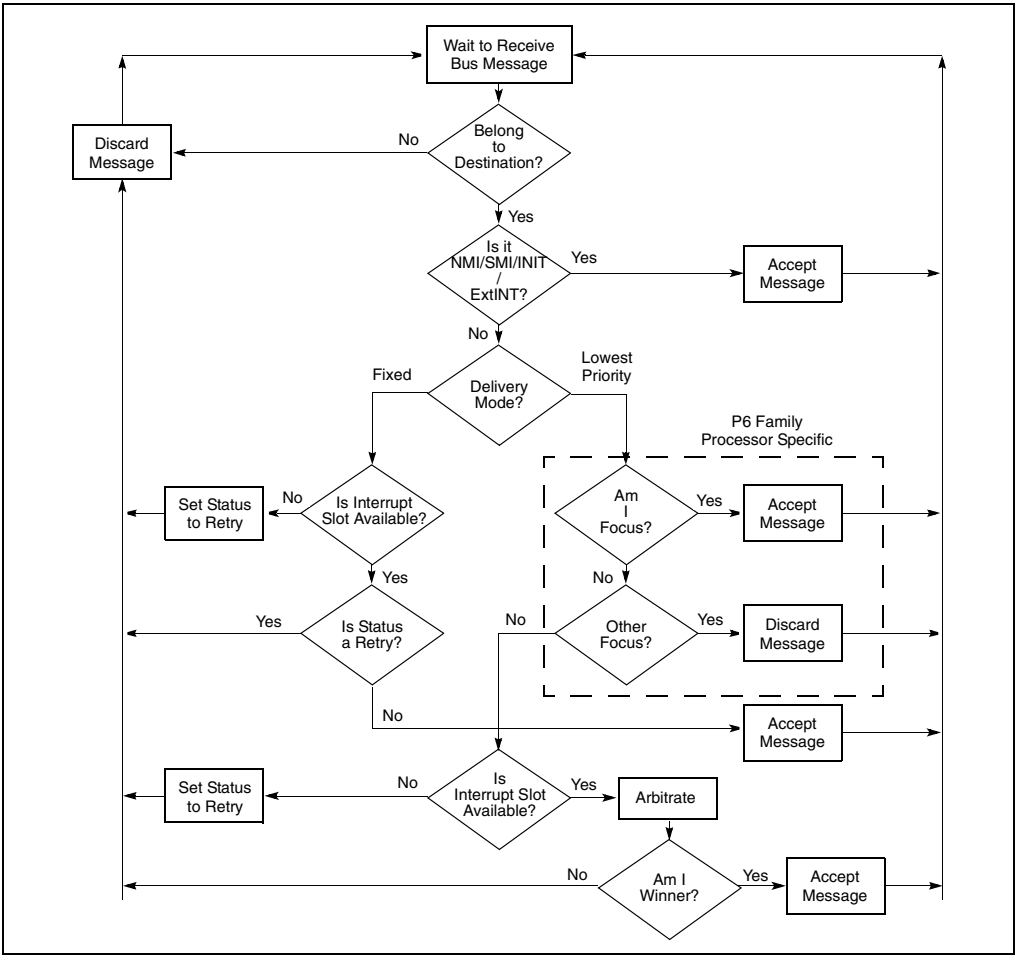


Figure 8-17. Interrupt Acceptance Flow Chart for the Local APIC (P6 Family and Pentium Processors)