KX-TD816
KX-TD1232

DIGITAL SUPER HYBRID TELEPHONE SYSTEM

Panasonic

XDP eXtra Device Port

Caller ID Display

CTI Compatible

Automatic Route Selection

Direct Inward Dial (DID)
Communication flexibility is essential in order to meet the challenges of today’s rapidly changing business climate.

Panasonic® Digital Super Hybrid Systems provide the power, flexibility, and expansion capability to fully accommodate your growing business. Designed with outstanding, time-saving features that are easy to use, the Panasonic systems are versatile and future-ready.

The KX-TD816 is configured for 4 CO lines and 8 digital proprietary phones, plus 8 single-line devices. Expansion modules provide a maximum capacity of 8 lines plus 32 telephones and devices.

The KX-TD1232 system is initially configured for 8 CO lines and 16 digital proprietary phones, plus up to 16 single-line devices. A single-cabinet KX-TD1232 system is expandable to 12 CO lines/64 stations (32 digital proprietary phones and 32 single-line devices). Connecting a second KX-TD1232 cabinet increases the expansion capacity to the system maximum of 24 CO lines and 128 stations (64 digital proprietary phones and 64 single-line devices).

Both Digital Super Hybrid Systems support Panasonic 7000 series analog phones, single-line devices and Panasonic 7400 and 7200 series digital sets, without the need to buy extra adapters, cards or modules. Voice mail ports facilitate integration with a Voice Processing System. And both systems are equipped with the unique XDP (eXtra Device Port) capability for unprecedented flexibility and expansion power.
Easy-to-use Features for Intelligent Call Management

**Automatic Route Selection**
A Digital Super Hybrid System can help reduce long distance costs by automatically routing outgoing calls to the most cost-efficient long distance carrier within your network. The system makes the selection based on pre-programmed time-of-day, day-of-week, and call destination tables.

**Back-Up Operator**
When the operator or other staff is unable to answer an incoming call, the optional KX-TD191 DISA card can be used to provide an outgoing message after a designated number of rings (3 to 12 rings). Your calls will then always be answered in a timely manner.

**Caller ID* Compatibility**
Displays the incoming caller’s phone number, or name and number, when used with a Panasonic system display phone. The system can automatically match a caller’s number with a previously stored name, and display that name on the LCD. Up to 500 names can be stored.

**Caller ID* Compatibility** to Single Line Telephone Devices
With the addition of a KX-T171 module Caller ID, information can be displayed on a single-line consumer telephone/devices connected to the system (limit one device per KX-T171 module).

* Requires subscription to Caller ID service offered by certain telephone companies for a fee.
** This feature requires an optional Caller ID card for every 4 Caller ID CO lines.

**Call Forwarding Versatility**
Incoming, intercom and transferred calls to your extension can be forwarded when you are on the phone or away from your desk. Calls can be directed to your mailbox, to another phone, even forwarded outside your office building—to reach you anywhere in the world, 24 hours a day, 7 days a week. “Follow-me” programming allows you to remotely set Call Forwarding from another phone within your organization, so calls to your extension will reach you while you roam.

**CTI (Computer Telephony Integration) Compatibility**
CTI compatibility enables you to link your KX-TD1232 or KX-TD816 system to a LAN (Local Area Network) for enhanced call management capability. Picture using your desktop PC to handle basic and advanced phone features, or having calls automatically routed to the screen of the appropriate individual along with full background information. Separate computer telephony software is required. See your Panasonic certified dealer for information on optional Panasonic CTI solutions, availability and pricing.

**Direct Inward Dial (DID)**
Panasonic Digital Super Hybrid Systems can be connected to Direct Inward Dial (DID) CO lines provided by the telephone company with the addition of an optional KX-TD185 expansion module. With DID service, calls from outside the company will be directed to a specific extension, alleviating the need for an operator or attendant.

**Direct Inward System Access (DISA)**
With the optional KX-T191 DISA card, the KX-TD1232 system will provide a simplified “auto attendant” feature with up to 64 seconds of outgoing message time. After dialing into the system, the caller obtains single-digit access to extensions, phantom extensions or ring groups any time during or after the message. Additionally, callers can be required to dial a security code to access extensions or the system’s outside lines.
Distinctive Ring
You can program up to eight different ring tones for the digital phones, giving phones in different areas or departments a distinctive ring.

PC-Based Programming
Panasonic dealers can program the KX-TD1232 and KX-TD816 via an IBM-compatible computer. Programming data can then be stored on disk for future back ups. PC programming software is available to certified dealers only.

Phantom Extensions
For added call-routing flexibility, you can assign one extension number to several phones. All phones will then ring simultaneously when this extension is dialed.

Message Waiting Unit
With the addition of a KX-T194 message waiting box, message waiting lamps on single-line telephones that are connected to the system will illuminate when new messages are received.

SMDR (Station Message Detail Recording)
By connecting a serial printer to the system, or by attaching a call accounting system, you can obtain a record of calls. Know who called where, when, and for how long. Account codes may be assigned to keep track of costs to be billed to clients, employees, projects or departments.

Toll Restriction
The Super Hybrid System can be programmed to prohibit unauthorized outgoing long distance calls by preventing certain extensions from accessing specified area codes/exchange codes.

Trunk Answer From Any Station
Sends ringing from outside calls through the external paging system, allowing CO calls to be answered from any station in the system.

Night Service
The Super Hybrid System provides a “Day” and “Night” mode feature which, when set from any station, can be used to change system functions according to the time. For example, you can designate which phones ring on incoming calls after hours, or prohibit dialing out at night.

Uniform Call Distribution
The Super Hybrid System can systematically distribute incoming calls to a group of operators or agents, providing outside callers with an outgoing message when all members of the group are busy. To ensure that callers are not kept waiting, a timetable can be established to determine when calls overflow to another extension or group of extensions.

*Requires KX-TD191 card.

Log-In/Log-Out Button
A Log-in/Log-out button may be assigned so that members of a UCD Group, Ring Group or Hunt Group may temporarily remove themselves from the group. This allows members to go to lunch or finish paperwork before taking another call.
The Easy Way to Instantly Expand Your Desktop Communications

All Panasonic 7200 and 7400 series digital phones feature an extra RJ-11 jack. This "eXtra Device Port" (XDP) enables you to connect any single-line device directly to your phone, instantly expanding your connection capacity and allowing you to use both communications devices simultaneously. Plug in a cordless phone, fax machine, answering device, laptop, modem or credit card verifier. Now you're able to talk on the phone while faxing, transmitting a data file or even surfing the Net!

Voice Mail Integration

The KX-TD816 and KX-TD1232 feature built-in software that accommodates digital integration with Panasonic Voice Processing Systems. With this combination you get much more than automated attendant and voice mail. You also get custom service, multi-lingual service, interview service and a variety of other innovative features, such as:

- Live Call Screening
- Remote Live Call Screening
- Two-Way Record
- Two-Way Transfer
- Intercom Paging
- Direct Mailbox Access
- Automatic Configuration
Add on a Wireless System Telephone for Productivity Plus Mobility.

Operating in the 900 MHz frequency range and using Panasonic Sound Charger™ noise reduction technology, the KX-T7880 wireless phone gives you enhanced range and clear, crisp sound. It can work as either a proprietary multi-line wireless phone or as a single-line wireless phone. Flexible keys with indicators can be assigned to access central office lines (or line groups), system features or one-touch dialing. In addition, the KX-T7880 features fixed keys for intercom, hold, redial, conference and transfer functions.

When used as part of a Panasonic Super Hybrid System that is digitally integrated with a Panasonic KX-TVS75, KX-TVS100 or KX-TVS200 Voice Processing System, you can enjoy additional advanced features, such as live call screening right through the handset.

### Specifications

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>KX-TD816</th>
<th>KX-TD1232</th>
<th>KX-TD1232 DUAL CABINET</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intercom Paths</td>
<td>Non-Blocking</td>
<td>Non-Blocking (indiv. cabinets only)*</td>
<td></td>
</tr>
<tr>
<td>Dialing Method</td>
<td>External</td>
<td>Tone / Pulse (10/20 pps)</td>
<td>Tone / Pulse (10/20 pps)</td>
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<tr>
<td>Dialing Conversion</td>
<td>Talk to talk, or pulse to talk</td>
<td>Tone to talk, or pulse to talk</td>
<td></td>
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<tr>
<td>Telephone Switching</td>
<td>Non-blocking PCM time sharing</td>
<td>Non-blocking PCM time sharing</td>
<td></td>
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<tr>
<td>Power Failure</td>
<td>Transfer</td>
<td>To pre-assigned extensions</td>
<td>To pre-assigned extensions</td>
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<tr>
<td>Backup</td>
<td>Several hours with optional batteries (depending on use)</td>
<td>Several hours with optional batteries (depending on use)</td>
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<tr>
<td>Connections</td>
<td>CO line</td>
<td>Modular jack (RJ-14C)</td>
<td>Modular jack (RJ-14C)</td>
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<tr>
<td></td>
<td>Extension</td>
<td>Modular jack (RJ-14C)</td>
<td>Amphenol connector</td>
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<td></td>
<td>Paging</td>
<td>Phono jack</td>
<td>Phono jack</td>
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<td>External music</td>
<td>2—conductor jack</td>
<td>2—conductor jack</td>
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<td>SMF</td>
<td>RS-232C</td>
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<td>Doorphone</td>
<td>Modular jack (RJ-14C)</td>
<td>Modular jack (RJ-14C)</td>
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<td>Add On Module Connectors</td>
<td>Station-KX-TD170</td>
<td>Amphenol connector</td>
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<td>Station-KX-TD171</td>
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<td>CO-KX-TD180</td>
<td>Modular jack (RJ-14C)</td>
<td>Modular jack (RJ-14C)</td>
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<td>DID-KX-TD185</td>
<td>Modular jack (RJ-14C)</td>
<td>Modular jack (RJ-14C)</td>
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<td>Power Source</td>
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<td>AC 120V, 50/60Hz</td>
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<tr>
<td>Power Requirement (max)</td>
<td>100 Watts</td>
<td>140 Watts</td>
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<tr>
<td>Dimensions (H x W x D)</td>
<td>Basic</td>
<td>18 1/2&quot; x 13 3/16&quot; x 4 1/2&quot;</td>
<td>25 3/16&quot; x 12 5/8&quot; x 4 1/2&quot;</td>
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<tr>
<td></td>
<td>Full</td>
<td>18 1/2&quot; x 13 3/16&quot; x 6 5/16&quot;</td>
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<td>17.8 lbs.</td>
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<tr>
<td></td>
<td>Full</td>
<td>17.6 lbs.</td>
<td>25.1 lbs.</td>
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* 28 voice paths between cabinets